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JANUARY 22, 1916.

Subscription Rate 12s. 6d. per annum.
Single Copies, 6d. each. Winter and Summer
Issues, 1s. each. Post Free

Extract of Malt

with

Cod Liver Oil

packed in amber-
tinted glass jars
—labelled.

SIZES.

$\frac{1}{2}$ lb., 1 lb.,
2 lb., 4 lb.

Orders can be re-
ceived for delivery.



**Allen &
Hanburys,**
Limited,
London.



Extract of Malt

with

Cod Liver Oil

packed in amber-
tinted glass jars
—labelled.

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$\frac{1}{2}$ lb., 1 lb.,
2 lb., 4 lb.

Orders can be re-
ceived for delivery.



**Allen &
Hanburys,**
Limited,
London.

FIRST HALF-YEARLY (1916) WINDOW DISPLAY PRIZE COMPETITION

NOW OPEN. 14 Cash Prizes, value from £1 to £25.

Wright's Coal Tar Soap —WINDOW DISPLAY—



THE TOAST IS "BRITAIN"!

[By FRED ROE, R.I.]

IN WRIGHT'S COAL TAR SOAP
WINDOW COMPETITION ARE

14 CASH PRIZES
From £25 to £1 VALUE.

BESIDES BONUS QUANTITIES AND
30% PROFIT ON SALES
SPECIAL PICTURE (GRATIS)

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SHOWCARDS, ADVERTISING NOVELTIES.

Result of Second Half-yearly Competition for 1915 will appear in next issue of "The Chemist and Druggist."

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THE BRITISH DRUG HOUSES *LTD*

B.D.H.

"FICOLAX FEBRUARY"

Our special Ficolax campaign commences early in February, when new advertising on a large scale is expected to increase greatly the demand for the original Fruit
——— Laxative. ———

We cordially invite the assistance of Pharmacists in giving prominence to Ficolax
——— during the month. ———

Although our ordinary terms have been recently revised so as to allow more profit to the retailer, we are offering

VERY SPECIAL TERMS

for quantities bought during February, on
——— our display conditions. ———

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Aerated Water Plants

For more than half-a-century "B. & F." aerated water plants and machines have been noted, the world over, for the high quality of waters produced and for their economy and reliability in working.

The models illustrated below are designed for bottling high-quality waters on a small scale. They are simple to work, reliable in use, and can be operated by either hand or mechanical power.

"COMPACT"

Aerated Water Plants

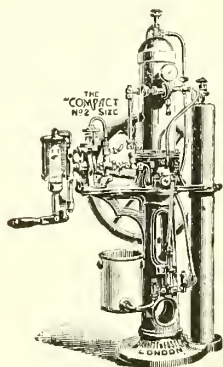
"Compact" Plants contain, on one base, a pump, water-container, saturating cylinder and all connections, pressure reducing valve and one or two filling machines for dealing with syphons or ball-stoppered bottles. No gas-water is needed—only a supply of liquefied CO₂—the pressure at which this is stored in the tube being utilised to saturate the water driven into the cylinder by the pump. To commence work all that is necessary is to fill the supply pan, connect the gas-tube to the cylinder and start the pump.

PRICES :

Complete and ready for work.			
Size	Output in 10 oz. bots.	With filler per day by hand.	With filler for both bottles or fillers syphons.
No. 1.	600 dozs.	£57	£60
" 2.	350 "	£45	£48
" 3.	200 "	£33	

A smaller machine is supplied at £20, EXTRAS—Syrup pump for bottle filler, £2/2 0. For syphon filler, £5/5 0. Power-bulb for Nos. 2 & 3 sizes, £3/3 0.

*When fitted for power double these outputs.



"NIAGARA"

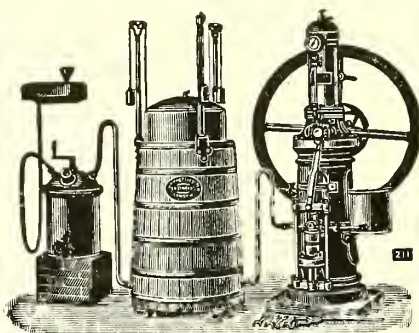
Aerated Water Plants

The exceptionally high quality of waters bottled on this plant is causing it to rapidly supersede all other types. Each plant includes an acid tank, generator, gasometer and all connections for attaching to the soda-water machine. The pump can be actuated either by hand or by mechanical power, and fillers are fitted for dealing with any make or shape of aerated water bottle or syphon. Full instructions for working and for the manufacture of gas are sent with each plant.

PRICES :

Complete and ready for work,
From £30.

Full particulars on application.



"ROUNABOUT"

Back - pressure Filling Machines

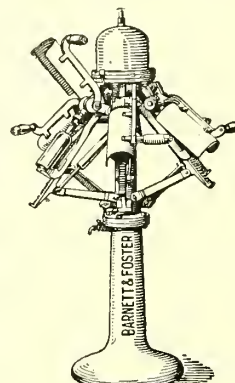
The "Roundabout" is a fair sample of the value we offer in filling machines. It will fill any make, size or shape of mineral water bottle with better beverages, at 50 % lower cost than any non-back pressure filler. The 3-head size illustrated will fill 45 doz. 10 oz. bottles per hour, with perfect soda-water at 60 lb. cylinder pressure and leave 50 lb. in the bottle. This means a tremendous saving in carbonic acid gas, greatly reduced bottle breakage and a corresponding economy in syrup and aerated water.

PRICE :

Complete and ready for work.
£28.

Other sizes have 6, 9, 12, 18 and 24 filling heads.

Equally economical machines for filling ball-stoppered bottles & syphons.



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Engineers

(Proprietors of GALLOWAY BROTHERS),

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And at BOLTON, LANCS.

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H · M · M · Co

HORLICK'S RATION TINS

OF

MALTED MILK TABLETS

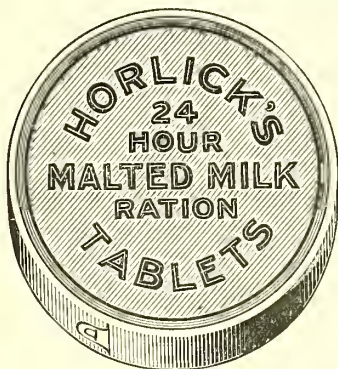
can now be supplied
in limited quantities
TO THE TRADE

at

12/6 per Doz.

plus carriage.

**For Despatch
BY POST
—TO—
MEN AT
THE FRONT**



**RETAIL
- PRICE -
1/6
PER TIN.**

**ORDER OF YOUR WHOLESALE HOUSE
OR OF
HORLICK'S MALTED MILK CO., SLOUGH, BUCKS.**

H · M · M · Co



Eucryl in your Window Proves You To Be a Chemist of Discernment—100 % Profit and the Right Article

The discriminating public like to see their favourite Dentifrice well shown. It proves to them that the Chemist knows his business. For the sake of your customers and those new ones you wish to attract, display

EUCRYL

ON THE
P.A.T.A.

in your window. It will earn for you also 100% profit—a profit that you do not make on many proprietary lines. You can assure your customer that Eucryl is

BRITISH ALL THROUGH

Study the attached profit scheme, and then send your order.

EUCRYL LIMITED

61-63 LANT STREET,
SOUTHWARK, S.E.

ORDER COUPON

To EUCRYL LIMITED,
61-63 LANT STREET,
SOUTHWARK, S.E.

Please send 6 dozen 6d. tins Eucryl Tooth Powder, at 3/6 dozen net, **carriage paid**, together with 2 dozen 6d. tins extra and free of charge as bonus, for which I enclose remittance value 21/-

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contracts current for advertising in this journal are mentioned. The headings refer generally to the classes of goods actually advertised, but this is not a detailed Guide such as appears in "The Chemist and Druggist Diary." Inquiries addressed to the "Information Department," THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., regarding articles not appearing in these pages receive prompt attention, as shown weekly in the editorial pages.

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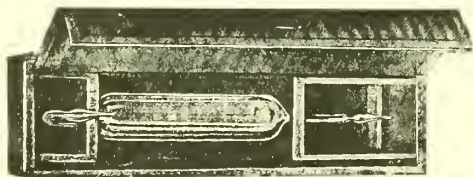
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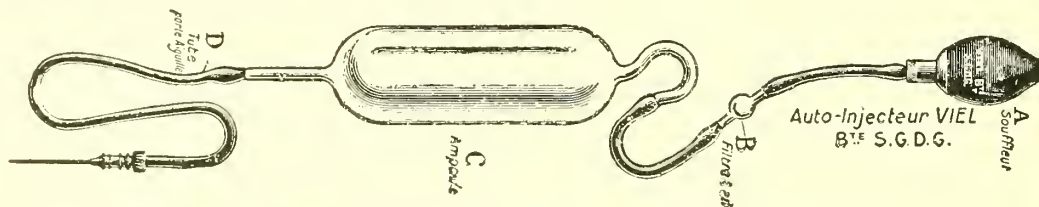
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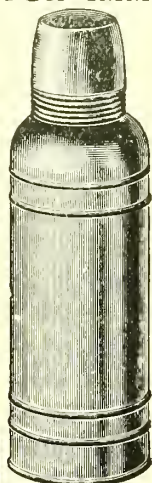
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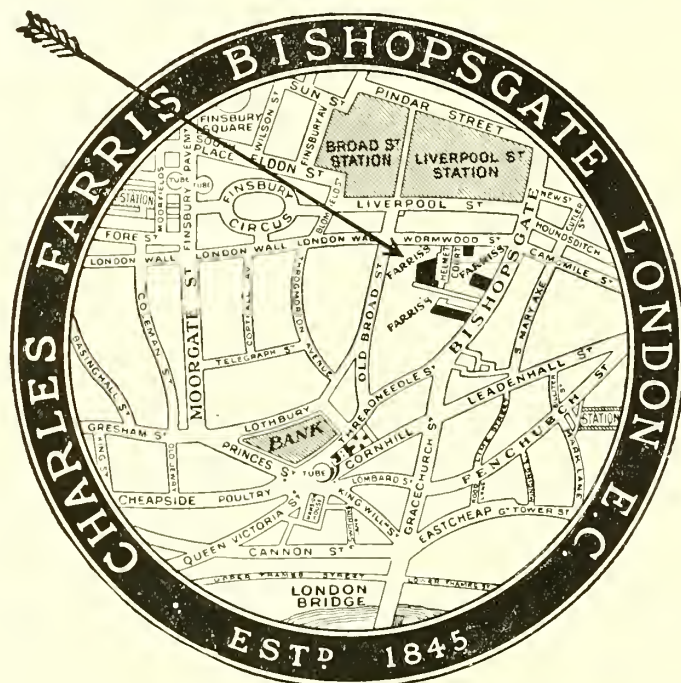
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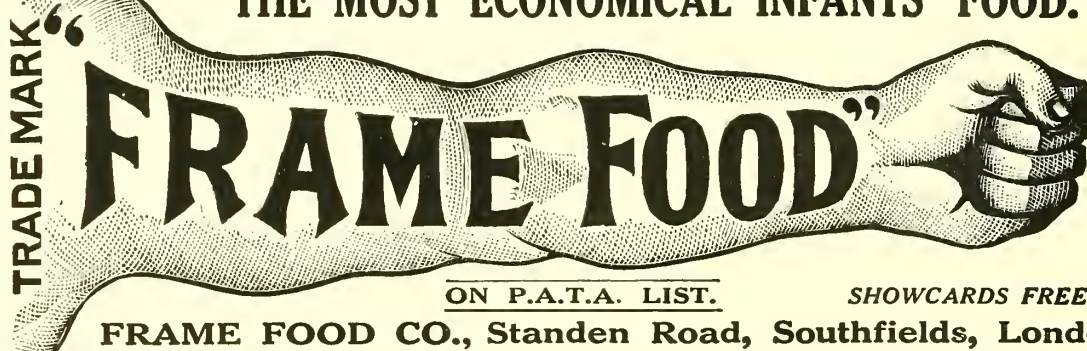
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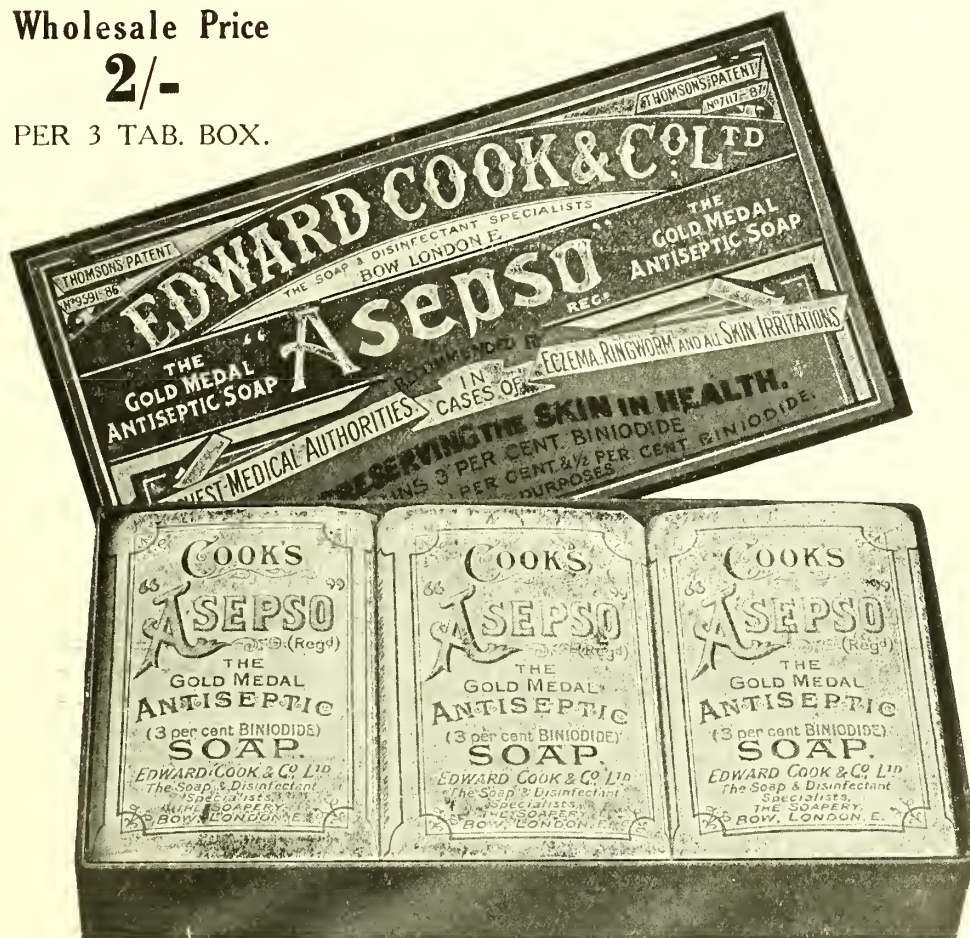
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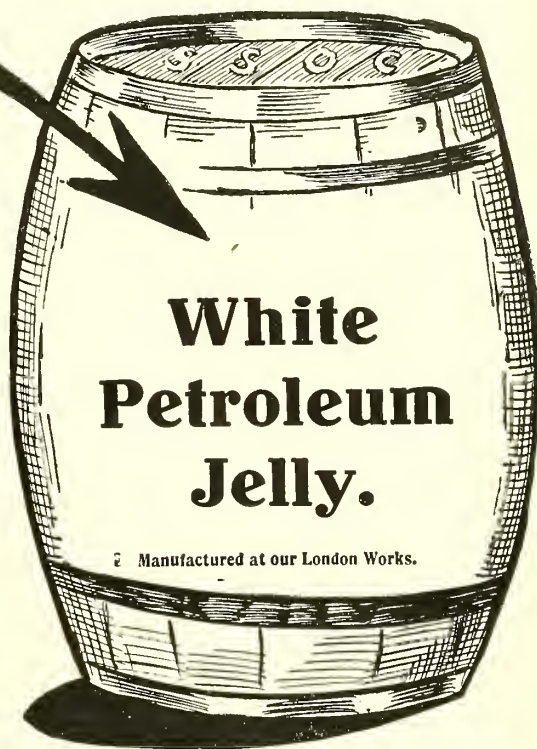
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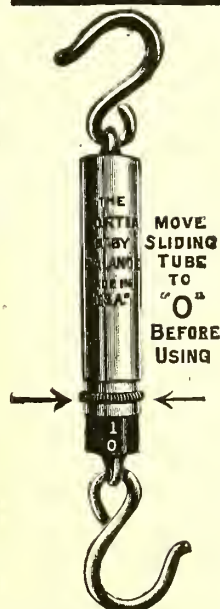
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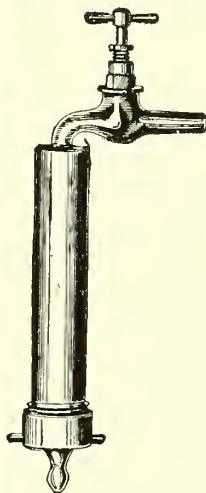
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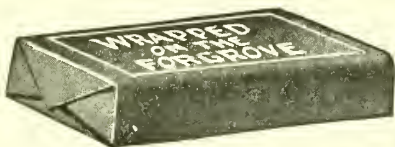
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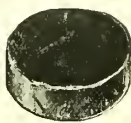


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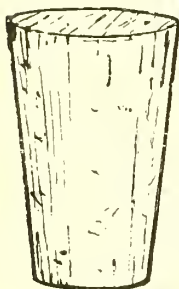


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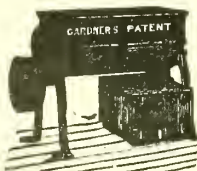
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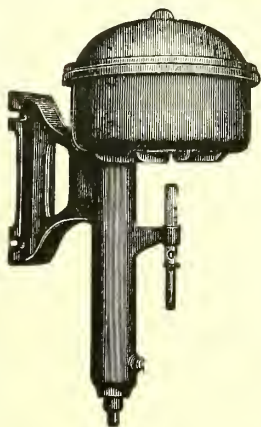
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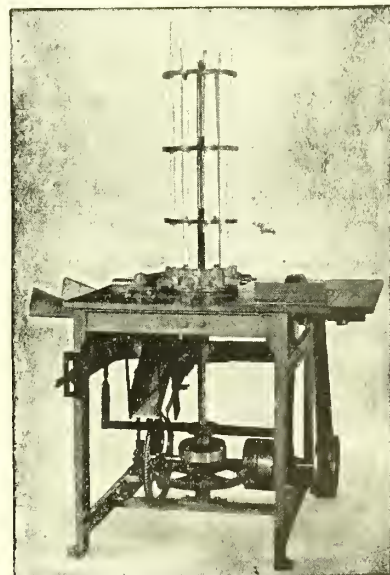
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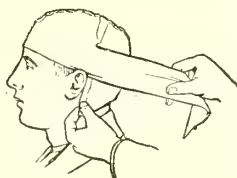
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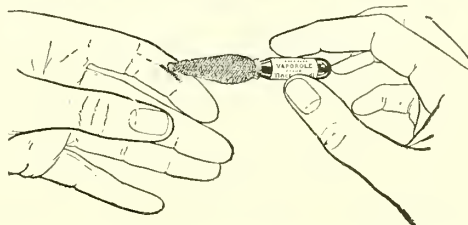
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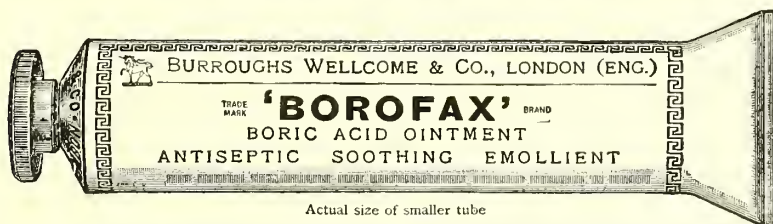
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Summary.

The latest minimum retail prices for chemists' commodities are reported on p. 35.

A large part of Bergen (Norwegian cod-liver oil headquarters) has been burnt (p. 41).

A large number of new contracts have been arranged by the British Government (p. 35).

Many men connected with chemical-industry and pharmacy who are serving in the Army have been mentioned in despatches (p. 34).

The London Chamber of Commerce promoted in the House of Lords a Registration of Firms Bill, which has been dropped (p. 40).

A panel chemists' union is suggested by correspondents (p. 56). Panel doctors also want a Union distinct from the British Medical Association.

Among the deaths reported are that of Mr. Henry Wheeler, a London drug-merchant, and Second-Lieutenant Hobbs, of the Royal Flying Corps—a son of the Tunbridge Wells pharmacist (pp. 38-39).

For checking Insurance dispensing accounts panel chemists are allowed seven days. We ask how the Bloomsbury Checking Bureau representative can in that time call in sixty-four areas and select the scripts, after which they have to be checked (p. 44).

European War.

A Year Ago To-day.

(*War News from the "C. & D.," January 23, 1915.*)

The Treasury published a memorandum restricting fresh issue of capital to such undertakings as have been approved by the Treasury, this step being taken with a view to husbanding the financial resources of the country. Some adverse criticisms were published of the subsidised scheme for the manufacture of aniline dyes in this country; these emanated from political quarters or the country's enemies. We commented on the Court of Appeal judgment regarding the legal rights in this country of alien enemies. An exceptionally long list was given of subscribers to the Belgian Doctors' and Pharmacists' Relief Fund. The steps taken in Russia to rehabilitate the chemical-industry were mentioned.

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

SEVENTIETH LIST.

BLACK, W. S. (lately assistant with Mr. J. Black, Ph.C., Lurgan), R.A.M.C.

CALVERT, JOSEPH (lately apprentice with Mr. J. Black, Ph.C., Lurgan), 16th Battalion Royal Irish Rifles (Pioneers).

DAWSON, JOHN, pharmacist, in charge of drug department Cowlairs Co-operative Society, Glasgow, Army Reserve B.

HART, ERIC (son of Mr. J. H. Hart, Ph.C., Ross), R.A.M.C. (joined last November as a dispenser and has been at Aldershot since).

JOHNSTON, Second-Lieutenant JOHN RODNEY (son of Mr. W. Johnston, Ph.C., Secretary Chemists' Defence Association), 3/6th East Surrey Regiment.

SMILEY, J. R., representative of C. R. Harker, Staggs & Morgan, Ltd., Army Reserve B.

Export Notices.

GERMANY.—A decree, dated December 30, 1915, prohibits the export of ink and ink-powder.

HOLLAND.—According to a decree of January 12, 1916, exportation of stearin and all fatty acids, paraffin, and mixtures, compounds, or products of these articles is prohibited.

ITALY.—The Board of Trade are in receipt of information to the effect that the Italian Ministry of Finance has published a notice which states that, as from January 1, 1916, applications for permission to export goods which are on the Italian prohibited export list must be submitted on printed forms for transmission to the Ministry of Finance through the medium of Chambers of Commerce in Italy or other bodies already authorised to receive them.

NORWAY.—The exportation of boric acid, borax, and other borates has been prohibited.

SWITZERLAND.—A decree of the Swiss Federal Council prohibits the export of the following articles as from January 3, 1916: Alimentary flour (farinaceous foods) for infants; confectionery and sugared goods, including ovomaltine, malt products, etc., in so far as their exportation is not already prohibited; soup-seasonings, sauces; coal-tar colours—artificial alizarine, aniline colours, anthracene colours, naphthaline colours, and other coal-tar colours and mixtures thereof—even if not prepared; indigo, natural and artificial; indigo solution; colouring materials and all other colours, in so far as their exportation from Switzerland is not already prohibited; wine-lees, dry.

Ruined French Pharmacists.

As has been already mentioned in the *C. & D.*, the Association Générale des Syndicats Pharmaceutiques de France, 5 Rue des Grands Augustins, Paris, is making an appeal to its *confrères* of Great Britain on behalf of its unfortunate colleagues whose pharmacies have been destroyed, and who are now completely ruined in consequence of the war. From the commencement this Association has made it its duty to help as much as possible all the French pharmacists who have invoked its aid, and to provide funds for this purpose an appeal was made to all colleagues in France, who responded largely. However, more money is needed for this purpose, and accordingly Mr. H. C. Chown (Roberts & Co., Paris) is asking for contributions to enable the Association not only to relieve its unfortunate *confrères* in immediate want, but to provide them with the means to make a fresh start in life as soon as circumstances permit.

Mr. Chown informs us that he has received the following subscriptions to the fund:

	£	s.	d.
Elliman, Sons & Co.	100	0	0
J. C. Eno, Ltd.	20	0	0
Fairchild Bros. & Foster	20	0	0
Fellows' Medical Manufacturing Co.	20	0	0
Mr. Eustace H. Gane	20	0	0
Battle & Co.	20	0	0
S. Maw, Son & Sons	10	10	0
J. & J. Colman, Ltd.	10	0	0
Bidwell, Bidwell & Co., Ltd.	5	0	0
Horlick's Malted Milk Co.	5	0	0
Mr. A. Hoadley	0	10	0
Pond's Extract Co.	4	0	0
Evans Sons Lecher & Webb, Ltd.	5	0	0
M. Beetham & Son	5	0	0

Those desirous of contributing to the fund should send their contributions to Mr. H. C. Chown (Roberts & Co.), 5 Rue de la Paix, Paris, or to the Association Générale des Syndicats Pharmaceutiques de France, 5 Rue des Grands Augustins, Paris. We shall also be glad to receive any contributions, small or large, to the fund from those connected with pharmacy and the drug-trade in Great Britain and Ireland for acknowledgment in the *C. & D.* and transmission to Mr. Chown. Cheques may be made payable to "Edward Halse."

Personalia.

LIEUTENANT HARRIS, R.A.M.C. (T.F.), of Walker & Harris, Ltd., wholesale druggists, Canterbury, has been gazetted captain. He has also been twice mentioned in despatches.

CAPTAIN OWEN HALESINE, R.A.M.C., S.R., youngest son of Mr. H. S. Hairsine, chemist, 47 Haymarket, London, has been twice mentioned in despatches and has been awarded the Military Cross.

THE MILITARY CROSS has been awarded to Captain Harry S. Cormack, M.B., F.R.C.S., I.M.S., the eldest son of Mr. John Cormack, chemist and druggist, Corstorphine. Captain Cormack has been twice mentioned in despatches.

MR. FREDERICK TOWNSEND JACKS, only son of Mr. Fredk. Jacks, chemist, Stone, Staffs, has been gazetted second-lieutenant and attached to the 3/6th North Staffs, stationed at Grantham. Second-Lieutenant Jacks is an old Denstone boy.

MR. J. B. DAY-LEWIS, chemist and druggist, Ponder's End, Middlesex, has six members of his family serving in some way with the Forces, and he himself has attested under Lord Derby's scheme and is also a member of the local Volunteer Training Corps.

LIEUTENANT W. M. TUCKER, eldest son of Mr. W. T. Tucker, the Medical Hall, Dartford, Kent, has been mentioned in despatches and has been awarded the Military Cross. Mr. Tucker has another son with the Forces in Egypt, who, like the lieutenant, has been serving with the Colours since the outbreak of the war.

MAJOR G. R. CROSFIELD, director of Joseph Crosfield & Sons, Ltd., soap-manufacturers, Warrington, and a member of the Society of Chemical Industry, has been mentioned in despatches by Sir John French for gallant conduct on the field in France, and has been placed temporarily in command of the 2nd Suffolk Regiment.

MR. HERBERT CARTEIGHE MABEN, son of Mr. T. Maben, F.C.S. (Parke, Davis & Co.), who served at the Front for seven months in the ranks of the London Scottish, and who was wounded at Loos on September 25, is again quite fit, and has received a commission as second-lieutenant in the 14th Battalion of the Worcestershire Regiment.

LEADING-SEAMAN PHILIP GORDON CRACKNELL, reported wounded in the Dardanelles, is the younger son of the Rev. T. S. Cracknell, Vicar of Sutton St. James, Lincolnshire, who served his apprenticeship with Donington & Co., chemists, Spalding, and then passed the Major examination in 1912. Soon after war broke out he joined the Royal Naval Division and trained at the Crystal Palace. He was attached to the Hawke Battalion and sent to the Dardanelles.

LIEUTENANT (TEMPORARY CAPTAIN) BERNARD DORIAN COURT TREATT, Royal Artillery, a son of Mr. R. C. Treatt, essential-oil merchant, Mincing Lane, E.C., has been awarded the Military Cross for distinguished and gallant service in the field. He went out, under heavy fire, on two occasions to repair telephone-wires. In the same list occurs the name of Mr. Treatt's nephew, Captain Bernard Hedley Charlton, Yorkshire Regiment, to whom the Military Cross has also been awarded.

CORPORAL JAMES LENNOX DAWSON, Royal Engineers, has been awarded the Victoria Cross for conspicuous bravery and

gallantry and devotion to duty during a gas-attack at the Hohenzollern Redoubt on October 13, 1915. He carried out of the trenches three leaking gas-cylinders under a heavy fire, and fired three bullets into each cylinder so as to effect a quicker escape of the gas. Corporal Dawson is a brother of Mr. John Dawson, pharmacist, in charge of the drug-department of the Co-operative Society, Cowstairs. His second-cousin, Corporal Pollock, has also been awarded the V.C.

Miscellaneous.

BELGIAN DOCTORS' AND PHARMACISTS' RELIEF FUND.—The following subscription has been received since last published list: E. W. W., 10s. 6d.

IN THE SOUTH AFRICAN MILITARY HOSPITAL, Richmond Park, London, a bed has been named the "James Herbert Dinwoodie," after the well-known Johannesburg pharmacist, who has endowed it.

WOMEN DISPENSERS.—According to the "Daily Mail" six months' training will qualify a woman for a position as dispenser in a military hospital, where ninety-three are already engaged.

THE BLACKBURN CHEMISTS AND DRUGGISTS have co-operated heartily in the scheme promoted by the local Chamber of Trade for the presentation of a motor-ambulance to the war authorities. Over 1,200l. was raised for this and for general war charities. Among the chief subscribers in the chemists' section were Messrs. C. Critchley, W. H. Grimshaw, J. W. Openshaw, J. W. Aspinall, R. L. Gifford, J. P. C. Parkinson, and J. Woolley, Sons & Co., Ltd. The car was formally handed over to the military on January 13.

PHARMACISTS IN THE V.A.D.—Where the War Office authorities are concerned the pharmacist is a long way from coming into his own. The position of pharmacist in the British Red Cross V.A.D. carried with it the rank of lieutenant, but recently that body has been recognised by the War Office. The quartermaster and other officers retained their rank, but the position of dispenser had to fall back into the non-commissioned rank of sergeant. So the chemist, unless a quartermastership was vacant, had either to resign or to be reduced to a second or third place non-commissioned rank.

BRITISH INDUSTRIES FAIR.—The Board of Trade have now completed the arrangements for the holding of another British Industries Fair on lines similar to those which characterised the fair organised by the Board at the Royal Agricultural Hall, London, in May last year. The fair, which will be opened on Monday, February 21, and remain open until Friday, March 3, will be held in the buildings of the Victoria and Albert Museum, South Kensington, S.W. Only British manufacturers engaged in the following trades—viz., china and earthenware, glass and glassware, fancy goods, toys and games, stationery, and printing—will be permitted to exhibit. Admission will be by the invitation of the Board of Trade alone, and will be restricted to *bona-fide* buyers for the trades concerned.

SPECTACLE-SUPPLY FOR ARMY.—A meeting of opticians was held at the Holborn Restaurant, London, W.C., on January 12, under the chairmanship of Mr. J. Harcombe Cuff, to receive the report of the Provisional Committee appointed to confer with the authorities as to the best way the optical trade could assist the country. The Committee had been in communication with the Ministry of Munitions, the Reserved Occupations Committee of the Board of Trade, the Director-General of Recruiting, and the Director of Army Contracts. The letters to these bodies and the replies were read at the meeting. The British Optical Association's scheme for supplying spectacles to the Army was also outlined. This scheme establishes a sight-testing department at each military depot where an ophthalmic surgeon will test the eyesight of soldiers. Spectacles will be supplied at a central depot at cost and the services of the local opticians given free of charge. In the discussion which followed the explanation of the scheme by Mr. R. S. Wright it was stated that there will be fifty sight-testing centres established up and down the country. One speaker compared the scheme with that by which pharmacists supply medicines at cost to the dependants of soldiers and sailors. The discussion lasted a long time, and eventually a Committee, consisting of Messrs. Lionel Laurence, Aitchison, Bateman, A. E. Grey, Hyatt-Woolf, Boatman, George Paxton, King, Parry, W. A. Dixey, and Baylis, and the members of the Provisional Committee, was appointed to consider the scheme of the War Office and to act on behalf of the optical trade.

AMBER is not always yellow or golden in colour, but is occasionally met with of a deep-red or blue colour. Homer mentions amber in circumstances which show that it was a great rarity in his day.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Retail Prices.

The Cardiff Pharmacists' Association have agreed with the local Grocers' Association to the following minimum retail prices: Oxo: 1 oz., 6½d.; 2 oz., 1s.; 4 oz., 1s. 9d.; 8 oz., 3s.; 16 oz., 5s. Lencoe: ½ oz., 5½d.; 1 oz., 9d.; 2 oz., 1s. 3½d.; 4 oz., 2s. 3½d.; 8 oz., 4s. 4½d.

The West Bromwich Pharmaceutical Association have fixed the following minimum prices: Acid, tartaric, 3d. oz., 11d. ½ lb.; lime-water, 2d. pint; bromides, soda, potash, and ammonia, 2s. oz.; logwood, 6d. lb.; methylated spirit, 10d. pint; turpentine, 9d. pint; potash permanganate, 6d. oz., 1s. 9d. ½ lb.; 6s. 6d. lb.; potash bichromate, 3d. oz., 10d. ½ lb.; potash bicarbonate, 2½d. oz., 9d. ½ lb.; sweet spirit of nitre, 4½d. oz.; ammoniated quinine tablets, 25 8d., 50 1s. 2d., 100 2s. 2d.; sulphonal tablets, 25 1s. 3d., 100 4s. 6d.; malt extract, 1s., 1s. 10d., 3s. 6d.; malt and oil, 1s. 2d., 2s. 2d., 4s., 6s. 6d.; Bragg's biscuits, 10d., 1s. 8d.; Calvert's carbolic ointment, 1s. 1½d.; Cockle's pills, 1s., 2s. 6d., 4s. 6d.; Cuticura soap 10½d., ointment 2s. 4d.; Eno's fruit-salt, 1s. 11d.; Kolynos, 1s. 2d.; Lutan hat-dyes, 7d.; night-lights (Price's, Field's, etc.), 5d.; new patent, 5½d.; pyramid, 8½d.; Phul-Nana and Haku-No-Ihana, 2s. 9d.; Tiz, 1s. 1½d.; sparklet-bulbs, B 1s. 8d. doz., D 2s. 6d. doz.; empties, D 9d. doz.

South of England College of Pharmacy.

As a result of the examination held at the College (186 Clapham Road, London, S.W.) at the end of the winter course, the following awards were made: Silver medal (for highest aggregate marks), Miss Dina John. *Chemistry*—Medal (bronze), Miss Dina John; certificates, (theory) Miss Dina John, (practical) Mr. E. S. Peebles. *Pharmacy*—Medal (bronze), Mr. S. W. Lupton; certificates, (theory) Mr. S. W. Lupton, Miss D. John, (dispensing) Miss D. John, Miss P. Mason, Mr. R. G. Thomas, Mr. S. W. Lupton, Mr. E. S. Peebles. *Materia Medica and Botany*—Bronze medals, Miss Dina John. This is the first time in the history of the College that the silver medal has been taken by one of the gentler sex—another proof that 1915-16 is a pharmaceutical ladies' year.

Contracts.

The following contracts have been agreed to:

Bethnal Green Guardians are recommended to accept the tender of J. G. Ingram & Son for the supply of two rolls of waterproof sheeting at 5s. per yard.

Birkenhead Guardians.—Mr. D. R. Rowlands, for drugs for the outdoor dispensary and infirmary for three months.

Hertford and Ware Joint Hospital Board.—Mr. J. H. S. Lewis, chemist and druggist, Ware, for medical sundries.

Romford.—In view of the abnormal condition of the market, the Guardians have been recommended to ask the contractor for drugs to tender for supplies for one month only from April 1, and request him subsequently to forward the alterations in prices to the Board at the commencement of each month, in accordance with the monthly lists issued by the wholesale houses.

St. Pancras.—Hodgkinson, Prestons & King, drugs during January to March for the North and South Infirmarys, also the outdoor dispensaries at Somers Town and Kentish Town.

War Office Contracts.

The following were made during December 1915:—*Operating Aprons*: North British Rubber Co., Ltd., Castle Mill, Edinburgh. *Bisulphate of Soda Tablets*: Boot's Pure Drug Co., Ltd., Station Street, Nottingham; British Drug Houses, Ltd., 22/30 Graham Street, City Road, London, N.; Burroughs Wellcome & Co., Dartford; W. B. Cartwright, Ltd., Lakeside Works, Rawdon, Leeds; Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool; Johnson & Sons (manufacturing chemists), Ltd., 23 Cross Street, Finsbury, London, E.C.; H. and T. Kirby & Co., Ltd., Newman House, Belton Road, Willesden Green, London, N.W.; Reynolds & Branson, Ltd., 13 Briggate, Leeds; J. Richardson & Co. (Leicester), Ltd., 10 Friar Lane, Leicester; Slack & Brownlow, Abbey Hey Lane, Gorton, Manchester; Southall Bros. & Barclay, Ltd., Lower Priory, Birmingham. *Water-testing Cases*: Baird & Tatlock (London), Ltd., Cross Street, Hatton Garden, London, E.C. *Dental Outfits*: C. Ash, Sons & Co., Ltd., 5-12 Broad Street, Golden Square, London, W.; Dental Manufacturing Co., Ltd., Alston House, Newman Street, London, W.; Elliott & Co. (Edinburgh), Ltd., 73 Newman Street, London, W.; F. H. Hallam

& Son, Ltd., 82 Salisbury Road, London, N.W.; F. Lepper, Ltd., 56 Great Marlborough Street, London, W. *Disinfectants*: J. Bell, Hills & Lucas, Ltd., Oxford Works, Tower Bridge Road, London, S.E.; Heppell & Co., 164 Piccadilly, W.; and 73 Knightsbridge, London, S.W.; McDougall Bros., Ltd., Irk Vale Chemical Works, Middleton Junction, Manchester; T. Moscrop & Co., Ltd., St. George's Street, Bolton; Phoenix Sanitary Co., Newton Street, Preston; W. C. Smithie & Co., Britannia Works, Farnworth, Bolton; R. Young & Co., Ltd., 38 Elliott Street, Glasgow. *Emery Cloth and Powder*: J. Oakley & Sons, Ltd., Wellington Mills, Westminster Bridge Road, London, S.E. *Glassware*: E. Breffit & Co., Ltd., Aire and Calder Bottle Works, Castleford, Yorks; Greener & Co., Wear Flint Glass Works, Sunderland. *Glycerin*: Price's Patent Candle Co., Ltd., Belmont Works, Battersea, London, S.W. *Medicines*: Boot's Pure Drug Co., Ltd., Station Street, Nottingham; Curling, Wyman & Co., 58-59 Bunhill Row, London, E.C.; Evans Sons Lescher & Webb, Ltd., 60 Bartholomew Close, London, E.C.; R. W. Greff & Co., Thames House, Queen Street Place, London, E.C.; Howards & Sons, Ltd., Uphall Works, Ilford, Essex; C. Zimmerman & Co. (Chemicals), Ltd., 9-10 St. Mary-at-Hill, London, E.C. (*Term Contract*): Burroughs Wellcome & Co., Brockwell Hall, Herne Hill, London, S.E. *Methylated Spirit*: Vauxhall Methylating Co., 41 Maguire Street, Liverpool. *Clarifying Powder*: Adecocks, Drayton Park Works, Highbury, London, N.; Reynolds & Branson, Ltd., 13 Briggate, Leeds. *Sterilisers*: E. Deane & Beal, Ltd., 676 Old Kent Road, London, S.E. *Surgical Instruments and Materials*: Allen & Hanburys, Ltd., Letchford's Buildings, Three Colts Lane, Bethnal Green, London, E.; A. E. Baird & Co., Ltd., 5 Barber Road, Sheffield; British Mannesmann Tube Co., Ltd., Landore, Glam.; Brookes & Crookes, Ltd., Atlantic Works, Sheffield; H. W. Bush & Co., Ltd., 32-34 Commercial Street, London, E.; J. Christie & Sons, Ltd., 246 West Street, Sheffield; Coxeter & Son, 171 Pancras Road, London, N.W.; Cuxson, Gerrard & Co., Ltd., Oldbury, Birmingham; J. L. Hatrick & Co., Ltd., 70 St. John Street, London, E.C.; G. Haynes & Co., Hampstead Mills, Stockport; Krohne & Sesemann, 37 Duke Street, Manchester Square, London, W.; H. Lewis, 2 Westmoreland Street, London, W.; C. Newsome, 18 London Road, Manchester; North British Rubber Co., Ltd., 2-6 East Road, City Road, London, N.; Robinson & Sons, Ltd., Wheat Bridge Mills, Chesterfield; Southall Bros. & Barclay, Ltd., Charford Mills, Bromsgrove, Worcs, and Saltley, Birmingham; Surgical Manufacturing Co., 83-85 Mortimer Street, London, W.; C. F. Thackray, Great George Street, Leeds; J. Tye & Son, 457 Caledonian Road, London, N.; W. Vernon & Sons, North Road, Preston; Vernon & Co., Ltd., Penwortham Mills, Preston; J. & L. Ward, Ltd., Unity Mill, Lower Darwen; J. Watts, Lambert Street, Sheffield. *Surgical Materials (Term Contracts)*: Platts Mill Co., Ltd., Platt Bridge, Wigan; Southall Bros. & Barclay, Ltd., Charford Mills, Bromsgrove, Worcs; J. Timpson & Co., Ltd., Horsell Road, Highbury, London, N. *Tetanus Antitoxin*: Burroughs Wellcome & Co., Brockwell Hall, Herne Hill, London, S.E. *Thermometers*: Down Bros., Ltd., 21-23 St. Thomas's Street, London, S.E.; A. Lee & Co., 59-60 Hatton Garden, London, E.C.; Mayer & Meltzer, 71 Great Portland Street, London, W.; Perkin, Son & Co., Ltd., 99 Hatton Garden, London, E.C.; J. T. Powell & Co., 83 Clerkenwell Road, London, E.C.; G. H. Zeal, 82 Turnmill Street, London, E.C.

Birmingham.

The advent of a well-known optician firm to the city and their extensive advertising will bring grist to the local opticians, several of whom are pharmacists.

Sir Richard Cooper, M.P. for Walsall, has intimated, through the Mayor, his willingness to give 1,000l. to the borough to be applied in such ways as will be of most use under existing circumstances.

Mr. Wilfrid Hill delivered an address on "Trade after the War: The Present Opportunity of Chambers of Commerce," before the Birmingham Chamber of Commerce on January 17 at the Grand Hotel.

A lady bacteriologist is required for the Yardley Hospital for Consumptives. It is an interesting office, and one well worthy of the attention of a lady dispenser who has got the Hall certificate and wants to enlarge her knowledge.

A youth, named Edward Barwell, fell through a trap-door at the shop of Mr. C. H. Averill, chemist and druggist, Conduit Street, Lichfield. He was taken to a nursing home, where it was found that his skull had been fractured.

The death took place on January 17 of Mr. Edmund Shorthouse, brother of Mr. J. H. Shorthouse, author of "John Inglesant." He came of a very old Birmingham family, who were largely engaged in the manufacture of acids and sal enixon and high-grade lacquers, the business being established in 1766 by Thomas Shorthouse.

Manchester.

Bottles of all descriptions are being brought to chemists by young and old. Now that people are finding out the value of their old bottles they are not consigning them to the dustbin, but endeavouring to turn them into ready cash. All sorts of prices are being obtained from chemists for 6-oz. and 8-oz. medicine-bottles, one chemist paying as much as 1s. 3d. a dozen for second-hand 8-oz. bottles.

The grand old man of pharmacy, Mr. C. A. Johnstone, who, as mentioned in the *C. & D.* last week, has retired, will long be remembered by the pharmacists of Manchester for the indomitable spirit he always displayed and for the very energetic way in which he went about his duties. Few men could have stood the strain of working at the high pressure at which he used to. He always had a kind word for the apprentice, and the pharmacist starting in business found in him a friend.

The chief topic of conversation among Manchester retail chemists during the past week has been about how to conform with the restricted lighting order, yet have a light sufficient to show the goods in the windows. Several shops have no lights at all in the windows, and others are so dimly lighted they might as well be out altogether. One well-known chemist and photographic dealer has his windows very well lighted, using several thicknesses of red paper in front of the lights, which gives quite a pleasing effect.

The appointment of Mr. G. A. Mallinson, the indefatigable Secretary of the Manchester Pharmaceutical Committee, as superintendent of the Pharmaceutical Society's checking bureau has been received in Manchester with much pleasure and satisfaction. Manchester chemists, especially those to whom Mr. Mallinson has been a great help, feel that it is an honour well merited, and wish him every success in his new sphere of activity. Mr. Mallinson has received many congratulatory letters from friends all over the country. As one put it, "What is Manchester's loss is the country's gain," which seems to fit the situation perfectly.

Sheffield.

It has been definitely settled that the pricing bureau of the group consisting of Sheffield, Nottingham, Derby, Huddersfield, Doncaster, Rotherham, etc., shall be at Sheffield, and suitable premises have been taken in Glossop Road.

The many friends of Mr. W. Dyson, of West Bar Green, will be pleased to hear that his only son Godfrey, who was with him in business before joining the Derbyshire Yeomanry, after many experiences in Serbia, has succeeded in joining the main Army in Salonika.

The City Coroner has just issued his report for 1915, which shows fewer suicides but more deaths from accidents. On inquiry we find that the deaths from laudanum poisoning since its addition to Schedule Part I. have been two, one by overdose by a chronic laudanum taker and one by suicide. During 1914 no case of death by laudanum was recorded.

Miscellaneous.

CHESTERFIELD CHEMISTS on January 17 commenced closing their pharmacies daily, except on Saturday, at 7 p.m.

GUILDFORD DOCTORS have decided that they can no longer continue to give free medical attendance to dependents of men serving with the Colours.

BEE-DISEASE.—Isle of Wight bee-disease is prevalent in the neighbourhood of Peterborough, where it is stated that 90 per cent. of the stocks of bees have died.

ST. PANCRAS GUARDIANS have decided to grant a war bonus of 2s. per week for the period of the war to the "dispensary helper" at the St. Pancras South Infirmary, N.W.

A SOLDIER deliberately broke the window of Boots' branch in Market Street, Blackpool, helping himself to the contents. Damage 13l. 5s., penalty six months in prison.

PHOTOGRAPHIC EXHIBITION.—It has been decided to postpone the Photographic Arts and Crafts Exhibition, which was to have been held in the spring, on account of war conditions.

ULTRAMARINE is being made in very large quantities by Reckitt & Sons, Ltd., Hull. The manufacture had been started before the war, but since the outbreak of war considerable extensions have been made with the object of making ultramarine-manufacture a British industry.

CELLULOID COMB AS A POKER.—At an inquest on Iris Elsie Banks, aged twelve years, of Norwood Road, London, S.E. it was stated she had been left alone in a room, and poked the fire with a celluloid comb, which burst into flames and burnt the child fatally. A verdict of "Accidental death" was returned.

POISONINGS.—The two deaths from poisoning reported since our last issue were due to carbolic acid. One case was that of Captain E. T. Needham, Hastings, who took the acid "during a fit of mental aberration." The other case was that of a Fulham man named Richard, who was in financial difficulties.

TUBERCULOSIS SERUM.—The "Daily Mail" publishes an account of a serum which an interned alien enemy named Mehnarto is stated to have discovered for the cure of tuberculosis. Vipers are stated to be employed in the composition of the serum. Mehnarto claims also to have devised a serum to take the place of salvarsan.

EXPORTING OPIUM.—At Bow Street Police Court, London, on January 18, Sidney Cohan and Thomas Clarence Horne were charged with exporting opium contrary to the provisions of the Customs (Export Prohibition) Act. The prosecution said that opium had been sent to Shanghai, and a large quantity of opium was found in the possession of a Chinese servant of Cohan. The accused were remanded on bail.

LIGHTING ORDER INFRINGEMENT.—At Birmingham Police Court Charles Mantell, described as a chemist, 21 Cregoe Street, Birmingham, was, on January 14, fined 3l. for a contravention of the Lighting Order recently promulgated for the city. The actual charge was "for not having the inside lights of his dwelling-house so obscured or the window so screened that no more than a dull subdued light was visible."

MEDICAL OFFICER'S DRUG-BILL.—The Chipping Sodbury Guardians have received a letter from Dr. Hawes, medical officer for the Wick District, stating that he would have to resign his appointment unless some increase of salary is granted, as drugs, etc., are now costing more than the salary he receives. On the motion of Sir Gerald W. H. Codrington it was decided to ask what is the extra amount incurred through the increased cost of drugs.

OPIUM-SMUGGLING.—The case in which six Chinese sailors were charged with harbouring, keeping, or concealing 100 tins of opium (*C. & D.*, January 15, p. 34), the export of which is prohibited, was disposed of by the Manchester County Magistrates on January 14, when one prisoner (who had been somewhat obstinate and had refused to allow Customs officers to search his trunk) was fined 5l. and the other prisoners were fined 2l. each. All the opium was ordered to be forfeited.

"LADY CHEMISTS AT WORK" is the title given in the illustrated morning papers to a good-looking young pupil, described as "One of the women being trained by the Society of Women Pharmacists as chemists to relieve men of military age." Pill-rolling was the exercise in that case. A different lady was shown at a dispensing-counter, and in this case we are told, "Dispensers are all starved men; but more are needed, and many women are completing the course at Gordon Square, London." A third picture was given.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

MR. P. N. White, J.P., Ph.C., Sligo, was on January 12 elected an Alderman of Sligo Corporation, in place of the late Alderman Connolly.

The Chemists' and Druggists' Society of Ireland has arranged to hold a smoker in the Society's rooms in Belfast on the last Wednesday in the month.

The promotion to the rank of lieutenant has just been gazetted of Second-Lieutenant W. A. Murphy, 12th Reserve Battalion Royal Inniskilling Fusiliers. Lieutenant Murphy, who received his commission from the ranks last April, was with Mr. W. S. Taylor, Ph.C., Enniskillen, before he enlisted.

The Local Government Board has refused to sanction a higher remuneration than 6s. per sample for the current quarter to Mr. R. F. Blake, analyst to the Coleraine Board of Guardians. The Clerk said this would come to 21l. 6s., the remuneration proposed some time ago by the Guardians and rejected by the Local Government Board.

At Coleraine on January 15, William Coulson, a soldier, was charged with having attempted to commit suicide by swallowing a quantity of liquid ammonia. Mr. Geo. B. Johnston, Ph.C., assistant to Mr. M. F. McCartney, Ph.C., Coleraine, was one of the witnesses for the prosecution. Prisoner was committed to the Quarter Sessions, and sent back to the infirmary.

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

The Provost of Huntly explained to the Town Council on Monday that they had no power to make the closing order under the Shops Act applicable to chemists, who had been so informed.

A stonebreaker tried to obtain a bottle of methylated spirit from Mr. John Cairns, chemist, Earlston, by a false declaration, and the Berwickshire Sheriff on January 14 sent him to prison for sixty days.

The report by Mr. Thomas Jamieson, F.I.C., public analyst for Aberdeenshire, on the substances analysed by him during the past quarter, shows that four were samples of boric acid, two of Gregory's powder, three of aromatic spirit of ammonia, and three of tincture of iodine. All these were found to be genuine.

Fife.

County pharmacists are now getting accustomed to the Censor's stamp on their correspondence; even short-distance letters have been opened.

Insurance prescriptions have shown a falling-off since hints were given to the doctors that surcharging was more than a theory. The prescriptions, too, are more economically written.

With the close of the bulb season, many chemists are busy replenishing their stocks of spring seeds. It is anticipated there will be a greater demand for vegetable-seed than formerly.

Proprietors of businesses are working hard and experiencing very long hours on account of the scarcity of experienced assistants. Girl-labour is much in evidence, but this throws a still greater responsibility on the employer's shoulders.

Glasgow and the West.

Tea is now served at the meetings of the Glasgow and West of Scotland Chemists' Association at 6d. per head.

A considerable number of chemists on the South Side of Glasgow are devoting their windows this week to Sister Laura's Food.

The market value of a qualified lady chemist in Glasgow at present is 2l. 10s. a week outdoors, this figure being offered by advertisement.

Tobacco-growing in the West has become more than a mere experiment. Cigars may now be had manufactured from home-grown plants. The flavour is rich and mild, and the aroma sharp and pleasing.

Many city chemists have decided to give no discount to nurses unless they are known customers. This step has been taken because the public not infrequently make purchases, stating that they are for a nurse, and expect discount.

Chemists' assistants who have received their notices calling them up under the group system find that they are addressed "Private So-and-So," the fact of the matter being that attestation means that a man joins the Reserve, and therefore becomes a private soldier as soon as he is attested.

The "Glasgow Herald's" London correspondent, referring to the Pharmaceutical Council's decision not to touch proprietary price-protection matters, says: "This decision will probably meet with the approval at any rate of the more professional section of pharmacy, and will no doubt coincide with the wishes of pharmacists in Scotland, where pharmacy is, broadly speaking, carried on on more professional lines than it is in England. . . . It is doubtful whether the Council . . . could add to its duties that of dictating terms to manufacturers of patent medicines without considerable loss of dignity."

French News.

(From the "C. & D." Paris Correspondent.)

GUARANTEE STAMP.—Among the numerous suggestions for encouraging French trade after the war is one which embodies the use of a distinctive stamp to be affixed to guaranteed products. The idea has been taken up by the Union of French Manufacturers, who would only grant the use of the stamp to manufacturers after strict inquiry as to the standing of the firm and the genuineness of the products upon which the stamp is to be affixed.

OBITUARY.—The death is reported of Dr. Rodolphe Engel, professor of chemistry at the Ecole Centrale of Paris.

Born at Strasburg in 1850, he was son of the well-known botanist, who then filled a professorial chair at the Faculty of Medicine in the capital of what was then French Alsace. Rodolphe Engel was thus just twenty when the Franco-German war broke out. He served in the French army, and after performing his patriotic duty saw his native province annexed, and the Faculty and its professors transferred to Nancy. He resumed his studies, and was, as a matter of fact, the first student to take the M.D. degree at Nancy. He subsequently became Professor of Chemistry at Montpellier University, then went to Paris. He was a corresponding member of the Academy of Medicine.

ANTI-WAR GAS.—Referring to the interview of Senator Cazeneuve, head of the pharmaceutical group of the French Parliament, with the Under-Secretary of State for Artillery, and the report of the interview made by the eminent Professor to the Army Committee of the French Senate, the "Journal" gives some details of German precautions against poisonous gas, according to orders issued some six months ago. In the first-line trenches each German soldier was supplied with a respirator, and each squad with two bottles of solution—hyposulphite of soda and lime-water. To prevent irritation from the masks the eyes are greased with vaseline. In the ambulance six Selbst-Retter oxygen apparatus have been issued per company. Each battalion has also three large oxygen apparatus placed beforehand at fixed points, and the men to whom they are confided are periodically drilled in their use. Each regimental ambulance has atropine ampoules for hypodermic injections, and Pull motors to insufflate oxygen and effect artificial respiration.

ARMY PHARMACISTS.—A decree signed by the President of the Republic, and published in the "Journal Officiel," authorises special promotion (during the war only) for a certain category of pharmacists, provided they already hold the rank of second-class assistant-pharmacist-major, which corresponds to the grade of second-lieutenant among combatant officers. Titulary professors of the three Schools of Pharmacy and of the various mixed Faculties of Medicine and Pharmacy, and assistant-professors of the same establishments of over nine years' standing, may thus reach the rank of first-class pharmacist-major (equivalent to that of a battalion leader) in the Reserve and Territorial Forces. Hospital pharmacists in the larger towns may attain the same grade if they can count ten years' service in their civilian posts. Assistant-professors of less than nine years' standing, and hospital pharmacists of less than ten, may only reach the rank of second-class pharmacist-major (captain). The general idea is evidently to utilise for army purposes, in as efficacious and thorough a manner as possible, a class of pharmacists whose position offers special guarantees of technical knowledge and experience, provided that they already hold army commissions.

ACADEMY OF MEDICINE PRIZES.—An interesting feature of the annual meeting of the Academy of Medicine is the list of prizes awarded for scientific work during the preceding twelve months. Among the "lauréates" for 1915 figure the names of M. Tiffeneau, head pharmacist of the Boucicaut Hospital, Paris, who takes the Henri Buignet prize (60l.) for his chemical and physical researches on monoxylbenzylamines and dioxylbenzylamines; both M. Albert Rousselet, Doctor in Pharmacy at Noisy-le-Sec, and Professor Sartory, of the Nancy School of Pharmacy, take a Perron prize of 24l.—the former for his essay on the intestinal chemistry of alimentary fats and their coprological dosage; the latter for an historical, botanical, and toxicological study of poisonous fungi. The Potain prize of 95l. is awarded to a paper on chemical, medical, and semeiological technics, of which M. Hazard, hospital house-pharmacist at Paris, is part-author; while Assistant-Professor Lutz, of the Paris School of Pharmacy, receives a bronze medal for work on infantile hygiene. An interesting note by M. Henri Bocquillon, the well-known Parisian doctor in pharmacy, on colonial plants used as remedies for malaria, bilious fever, leprosy, and serpent-bites, is awarded a Desportes prize of 12l.; and Dr. Tanret (son of a well-known Paris pharmacist) gains a similar sum for his study of galegine.

Gazette.

Partnerships Dissolved.

CLARK, G. B., and MAXWELL, P. H., 53 Knightsbridge, London, S.W., pharmaceutical chemists under the style of Decastro, Watson & Richards.

MCGOWAN, W. S., and COLTART, W. G., 84 Rusholme Road, Chorlton-on-Medlock, physicians and surgeons, under the style of Drs. McGowan & Coltart.

Legal Reports.

Trade Law.

Pharmacy Acts.—At Burnley on January 19 John G. S. Stephenson, 109 Parliament Street, Burnley, was summoned by the police, under the Pharmacy Act, 1908, for selling carbolic acid which was not labelled with his name and address. For the defence it was stated that the police would not have been able to bring the case had it not been for the admission of the defendant and the evidence he gave at the inquest. Defendant purchased the acid which was clearly labelled "Poisonous—not to be taken" just about the time the Act came into force. Since that time he had only sold three bottles, and that was the reason, probably, that he forgot his name and address were necessary on the bottle when he sold it, ostensibly for disinfecting purposes. The case was withdrawn by the police on payment of the costs.

Medical Acts: The Title "Doctor."—The case of the Royal College of Physicians *v.* the Dr. Temple Co., Ltd., and others (see *C. & D.*, January 1, p. 42) came before Lord Anderson in the Bill Chamber of the Court of Session, Edinburgh, on January 10. The College seeks to interdict the company and certain persons associated with it from using, in connection with the business or businesses carried on by them at Edinburgh and Glasgow, the name or title of "Doctor" or its contraction "Dr.," whether used in association with the names "Temple," "Temple Company," and "Temple Company (Limited)," or not, and from pretending that they are doctors or medical practitioners, and from taking or using any name, title, or description implying that they or any of them are persons registered under the Medical Acts, or are persons specially qualified to practise medicine in Scotland, and particularly from displaying on the premises 7 West Register Street, Edinburgh, the name or title "Dr. Temple." The respondents pleaded that the College had no title to sue, and that they were not acting illegally or to the prejudice of the complainants. His Lordship passed the note for trial of the case in the Court of Session and continued the interim interdict, modifying it, however, by limiting it to Edinburgh and excluding the reference to the Glasgow premises. In giving judgment to this effect, his Lordship so far sympathised with the contention of the respondents by saying that the Royal College as a corporation is entitled to act and speak for itself and for no other person unless there is something in its charter entitling it to do so. He thought the corporation only entitled to speak for itself and to deal with regard to Edinburgh. Accordingly he modified the interim interdict by excluding the reference to Glasgow. On the whole his Lordship, while not committing himself to the relevance of the case, considered that it was of sufficient importance to proceed.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

STEEL-GRIP PATENTS, LTD. (P.C.).—Capital 5,000/. Takes power, *inter alia*, to carry on business as chemists. The first directors are C. E. Peczenik and E. J. Clamp. R.O., 116 Great Portland Street, W.

RICH. HUMBLE & SON, LTD. (P.C.).—Capital 7,000/. Objects: To take over the business of oil merchants and grease-manufacturers carried on by A. D. Stuart and J. Duckett at 13 Kirkstall Road, Leeds, as "Rich. Humble & Son." The first directors are A. D. Stuart and J. Duckett.

THOS. HARRISON & CO. (DEPTFORD), LTD. (P.C.).—Capital 3,000/. Objects: To take over and carry on the business of an asphalt-manufacturer and tar and naphtha distiller and importer, carried on by A. J. Dickinson at St. John's Wharf, Canal Bank, Black Horse Bridge, Deptford, S.E., as Thos. Harrison & Co. The first directors are A. J. Dickinson and Mrs. Helen Dickinson.

CLEAVE & CO., LTD.—Mr. S. Cole, Sardinia House, Sardinia Street, Kingsway, W.C., was appointed receiver on January 5, 1916.

PARKE'S DRUG-STORES, LTD.—The directors recommend a final dividend on the preference shares at the rate of 6 per cent. per annum, less income-tax, and a dividend of 4 per cent., less income-tax, on the ordinary shares for the year to September 30.

Births.

Authenticated notices are inserted without charge.

FARADAY.—At 13 Cedar Road, Croydon, on January 13, the wife of W. B. Faraday, pharmacist, of a son.

HOWARD.—At 38 Brompton Square, S.W., on January 19, the wife of Geoffrey E. Howard (Sergeant-Major, Artists' Rifles, and director of Howards & Sons, Ltd.), of a son.

PERRY.—At 7 Clonlea Drive, Belfast, on January 1, the wife of David Perry (Thos. McMullan & Co.), of a daughter.

Marriages.

Authenticated notices are inserted without charge.

BAINES-LIDDINGTON.—At St. Stephen's, Bayswater, London, W., on January 17, William Erith Baines, chemist and druggist (Royal Flying Corps), to Nellie Millicent, daughter of Mr. and Mrs. Liddington, Tring.

LINKLATER-MARSHALL.—At Greenock, on January 12, R. Frederick Linklater, chemist and druggist, to Mary Fingies, daughter of Mr. and Mrs. C. D. Marshall, Largymehr, Greenock.

LOW-CHAPMAN.—At Drumcendra Church, Dublin, on January 10, Major Francis S. Lew, Kilshane, Tipperary, to Dorothy, second daughter of Mr. R. S. Chapman, Ph.C., Denegal.

TOOKEY-PHILLIPS.—At St. Luke's Church, Southampton, on January 1, Lieutenant and Quartermaster F. E. F. Tookey, 3/5th Hants Territorial Battalion (only surviving son of E. J. Tookey, head chemist to the County Chemical Co., Birmingham), to Bessie, eldest daughter of Mr. W. J. Phillips, of the Ordnance Office, Southampton.

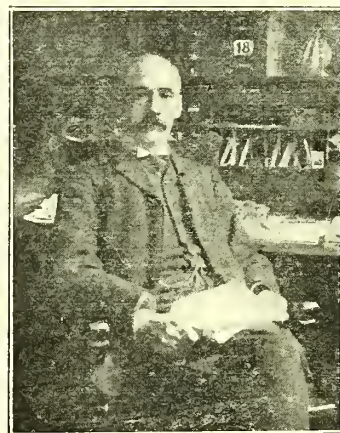
Deaths.

Authenticated notices are inserted without charge.

BOSTOCK.—On January 3, Amy, wife of Mr. Sydney M. Bostock, chemist and druggist, Bull Ring Pharmacy, Northwich, aged thirty-five.

HARRISON.—At Daventry, on January 2, Mr. Alfred Harrison, chemist and druggist, for many years in business in High Street, Daventry. He was registered as in business before the passing of the Pharmacy Act, 1868.

WHEELER.—At "Cranford," Lancaster Gardens, Southend-on-Sea, on January 14, Mr. Henry Wheeler, of Henry Wheeler & Son, drug importers and exporters, 9 Great Tower Street, London, E.C., aged sixty-four. The news of Mr. Wheeler's death was received with deep regret in Mincing Lane, where he was held in the highest esteem, he having been associated with the drug-trade for forty-nine years. The *C. & D.*, too, has lost a good friend who on many occasions unstintingly and freely gave us the benefit of his ripe experience and intimate knowledge of the markets. Several years ago Mr. Wheeler had an attack of facial paralysis, from which he never completely recovered, but he kept at work almost up to the end (his last visit to the City was on December 16), the immediate cause of his death being cerebral thrombosis. Mr. Wheeler entered the drug-trade in 1867, when he found employment with the now extinct firm of C. G. Meier & Co., who were at one time among the largest operators in quinine and cinchona-



MR. H. WHEELER.

bark in the world. There he gained a valuable and unique experience in the handling of drugs, especially South American produce, his firm being one of the first to bring asafetida and Brazilian ipeacacuanha to the London market. When the cinchona *débaüle* came in 1884, caused by the enormous Ceylon output, the firm met with difficulties owing to speculation, and in the following year Mr. Wheeler went to Corbyn, Stacey & Co., wholesale druggists, as their export buyer. While with them he took several trips to the United States on their account. After serving them for a decade he entered into a partnership with Mr. A. Finsler, under the firm-name Finsler & Wheeler. This was dissolved by mutual consent in 1901, and Mr. Wheeler continued the business, being joined in partnership in 1910 by his son Mr. Arthur T. Wheeler, who will continue it under the firm name. Mr. Wheeler was well known to many American drug-houses by reason of his frequent trips to the United States, and by specially studying the requirements of the American market he developed a large export business in senna, asafetida, dragon's-blood, tragacanth, and other drugs, while he was equally well known as an importer of American drugs, roots, barks, herbs, peppermint oil, etc. The funeral, preceded by a short memorial service, took place at the City of London Cemetery, Ilford, on Wednesday, January 19, in the presence of a large company of mourners, including Mr. and Mrs. Arthur T. Wheeler, Messrs. F. C. Devon, G. C. G. Freudentheil, A. Finsler, W. Garraway (Aug. Faber & Co.), C. F. Gerhardt, T. J. Taplin (Slann & Davies), and Withaus, also members of the office staff and a number of personal friends.

STUART.—At Burnopfield, co. Durham, on January 10, John George Stuart, M.B., C.M. (Aberdeen), aged forty-nine. Dr. Stuart lost his only daughter, Rosalind, aged nineteen, three months ago. He is survived by Mrs. Stuart, a sister of Dr. J. F. Tocher, Aberdeen, and Mr. G. A. Tocher, London.

Killed in Action.

BRIGGS.—In France, on January 3, Sergeant J. Briggs, King's Norton Company 8th Worcester Regiment (T.), aged twenty. He joined the Territorial Force in 1912. Prior to the outbreak of the war he was employed in the analyst's department of Cadbury Bros., Ltd., Bournville.

GLOVER.—Rifleman H. A. Glover (Queen's Westminsters), brother of Mr. H. C. E. Glover, chemist and druggist, manager to Mr. John Keall, Maida Vale, was killed in action during a German gas attack on December 19.

HOBBS.—We recently reported that Second-Lieutenant Alan Victor Hobbs, of the Royal Flying Corps, was missing. His father, Mr. A. E. Hobbs, Ph.C., Tunbridge Wells, has now been informed by the War Office that he was killed with another observer on December 15, and Mr. Hobbs has also received a letter from his son's C.O., which states: "I have just received further information which points indubitably to the conclusion that they (Lieutenant Hobbs and the observer) were both killed. They were shot down by a hostile aeroplane while doing a reconnaissance over the German lines. That the Germans appreciated their bravery and noble self-sacrifice little less than we who knew them both, is shown by the honours they accorded them at their funeral. The whole garrison of the town at which their machines fell attended the funeral, and both were buried with full military honours. The German Flying Corps sent a few wreaths which they laid on the graves." Lieutenant Hobbs was educated at Skinner's School, Tunbridge Wells, and with a scholarship went to Tonbridge School, leaving there for St. John's College, Cambridge, where he had been for about twelve months when war was declared. He at once enlisted in the Royal West Kent Regiment, whence he obtained a commission in the 10th Royal Sussex Regiment in October 1914, and later was appointed to the Royal Flying Corps. He was twenty-one years old.

Died on Active Service.

FROST.—Bugler F. D. Frost, who was prior to the war with F. M. Remington & Son, Ltd., chemists and druggists, Bradford, has died from the effects of gas-poisoning and shell-shock while serving in France with the 1/6th West Yorks Regiment.

MCCREARY.—Staff-Sergeant Samuel McCreary, who was serving with the Canadian Forces as a medical compounder, has died at the Military Hospital, Toronto. He received an injury during training. Deceased was a son of the late Johnston McCreary, Crossroads, Killygordon, co. Donegal, and emigrated a few years ago to Canada.

TRACING-PAPER.—A correspondent in "The Lancet" recommends liquid paraffin, B.P., for rendering paper transparent for use as tracing-paper. The opacity of the paper can afterwards be restored by treating it with a petrol-bath.

Wills.

THE late Sir Arthur William Rucker, LL.D., F.R.S., Principal of London University, left property of the value of 40,465*l.* 11*s.*, the net personalty being 34,414*l.* 15*s.* 6*d.*

MR. VERO CHARLES DRIFFIELD, of Cliff House, Appleton, near Widnes, retired manager of the Gaskell Deacon Works of the United Alkali Co., Ltd., who died on November 14, left estate of the gross value of 8,848*l.* 13*s.* 1*d.*, of which 8,597*l.* 16*s.* 4*d.* is net personalty.

LIEUTENANT WALTER NELSON, 6th Battalion South Staffordshire Regiment, for some years managing director of Nelson, Dale & Co., Ltd., Warwick, gelatin and isinglass manufacturers, who was killed in France or Belgium on October 13, aged forty-five years, left estate of the gross value of 4,631*l.* 17*s.* 1*d.*, of which 3,730*l.* 7*s.* 6*d.* is net personalty.

THE late Henry Burman Lowe, of Philip Harris & Co., Ltd., Birmingham, left estate of the gross value of 43,776*l.* 7*s.* 5*d.*, the net personalty amounting to 39,329*l.* 4*s.* 4*d.* He left 3,000*l.* in trust for each of his sons, 100*l.* each to his two brothers, 300*l.* and the household effects to his wife, and the residue in trust for his wife for life, with remainder to his two sons.

Business Changes.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

JOHN J. DENTON, LTD., chemists' sundriesmen, have removed from 97 Whitechapel to 7 Williamson Square, Liverpool.

MR. J. A. J. TOTTEN, chemist and druggist, who purchased the business of Mr. C. Chorley, at Worcester Park, Surrey, three years ago, has now moved it to 4 Alexandra Terrace.

MR. GEORGE WISE, chemist and druggist, has purchased the old-established business of Mr. William Wisc, Broad Street, Launceston. Mr. George Wise is retaining his business at Bude under management, but will make Launceston his headquarters.

MR. M. GOLODETZ, drug and chemical merchant, announces that he has taken his brother, Mr. B. Golodetz (lately manager of the firm W. Golodetz, Copenhagen), into partnership, and the style of the firm is now Golodetz Bros. & Co., Gresham House, Old Broad Street, London, E.C. The firm are exporters to Russia of chemicals, pharmaceutical goods, metals, Colonial produce, and other merchandise urgently needed in Russia.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

MR. HENRY MEYNELL, chemist and druggist, Tenterden, has been appointed Secretary of the local Tradesmen's Club.

SIR RICHARD ROBINSON was among those who received the accolade from King George V. at Buckingham Palace last Saturday.

MR. W. M. WOODHOUSE, chemist and druggist, Ludlow, Salop, has been appointed organist of the Masonic Lodge of the Marshes.

MR. J. WYNNE WILLIAMS, dispensing chemist, Mold, has recently undergone an operation for appendicitis, from which he is making a satisfactory recovery.

BRO. ROLAND PRINCE, Ph.C., Longton, was installed Wor. Master of the Etruscan Lodge, Longton, on January 13. Wor. Bro. Edmund Jones, P.M. 418, P.P.G.P. Staffs, and Wor. Bro. A. P. Tiley, P.M. 461, were present.

MR. C. F. GERHARDT, drug merchant, 5 Fenchurch Street, London, E.C., informs us by circular that "Advancing years, together with failing health, make it advisable for him to give up all but a casual supervision of the business carried on by him in the City of London since 1864, but his son Gerald, who as a partner has been associated with him for a considerable period, will in future carry it on under his sole personal control; he will be assisted by Mr. Edward G. Misani, who has likewise been connected with the firm for a number of years."

NEW CALEDONIAN SANDALWOOD.—During 1914 the exports were valued at 5,507*l.*, of which 5,199*l.* went to France and the remainder to Australia.

Pharmaceutical Society of Ireland.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on Tuesday, January 11. Mr. James Tate (President) in the chair. The other members present were Messrs. James Michie (Vice-President), Richard Blair, John E. Connor, J.P., John Smith, D. M. Watson, A. Owen Wells, and W. F. Wells.

THE PRESIDENT, in opening the proceedings on this, the first meeting in the New Year, expressed pleasure at seeing the members together in health and strength. He also expressed the hope that during the year "our King and Queen and country shall be preserved, that the germ of strength and confidence that is being generated in our nation may continue, and that the virus of weakness and depression may spread among our enemies, until the cloud that overhangs us shall pass away, and the nations of the world shall once more live together in peace and unity." (Applause.)

CORRESPONDENCE.

Mr. Arthur T. Ferrall (Registrar) read a letter from the Clerk of the Council, Dublin Castle, enclosing copies of an Order in Council approving of the appointment as examiners of Messrs. J. W. Harvey, J. S. Ashe, George Brown, and H. J. Sumner (*C. & D.* Supplement, January 1, p. XL).

Mr. H. J. Sumner, M.P.S.I., wrote notifying his change of address to 45 Manor Street, Dublin.

REGISTRATION AND MEMBERSHIP.

Mr. Gerald Leahy Ryan and Mr. John Francis O'Neill submitted certificates from the Board of Intermediate Education, and were admitted to Preliminary registration.

On the motion of Mr. JOHN SMITH, seconded by Mr. J. E. CONNOR, J.P., the following were nominated for membership of the Society: Mr. William Boulton Conyngham, L.P.S.I., Monkstown, co. Dublin, and Mr. Samuel McLoughlin, L.P.S.I., 79 Hill Street, Newry.

On the motion of Mr. A. OWEN WELLS, seconded by Mr. JAMES H. BOWDEN, Mr. Jeremiah O'Connor, Ph.C., Medical Hall, Castleisland, co. Kerry, was elected a member of the Society.

REPORTS ADOPTED.

Reports from the following were received and adopted: The Law Committee, the Certificates Committee, the Declarations Committee, the House Committee, the School Committee, and from the Registrar regarding the deaths of Mr. Joseph Edgar, chemist and druggist, late of Dromore, co. Down, and of Mr. Michael Rynne, chemist and druggist, late of Ennis, co. Clare.

RESULTS OF EXAMINATIONS.

THE REGISTRAR stated that the Preliminary examination had taken place on January 6 and 7; that twenty candidates had entered; that ten had passed, of whom four had passed with honours, and that one of the four had obtained 91½ per cent. of the total marks. Eight of the twenty candidates were girls (*C. & D.*, January 15, p. 36). The Registrar also stated that the Registered Druggist examination had taken place on January 11, and the two candidates who entered had passed.

This was all the public business

Examination Results.

THE following are the results of the recent examinations held in Dublin:

Pharmaceutical Licence Examination.—John Healy, Drogheda; Patrick Joseph Rice, Fermoy; Patrick O'Neill, Athenry; James Arthur Potter, Dublin; Philip Joseph Fox, Kells, co. Meath; and John Corcoran, Ballingarry, co. Tipperary, passed with honours. The following also passed: Johanna Agnes Murphy, Mitchelstown; Thomas Gleeson, Bruff; Michael James Mullan, Armagh; James Kilpatrick Yorke, Newtownstewart. Seven candidates were rejected.

Registered Druggist Examination.—The following have passed: Patrick Joseph O'Meara, Ballina, and Samuel Aaron Rosenthal, Dublin.

Pharmaceutical Assistant Examination.—The following have passed: Timothy McSweeney, Inchigeela, co. Cork, and George Walsh Sleator, Kilkenny. Two candidates were rejected.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

THE END OF THE SESSION.

According to present arrangements the end of the Session of 1914-15-16 will take place on Thursday next, when Parliament is likely to be prorogued. The new Session will open within about a fortnight or three weeks of that date.

BRITISH TRADE AFTER THE WAR.

A special meeting of the Association of Chambers of Commerce of the United Kingdom has been summoned to meet in London on February 29 and following days to discuss the subject of British trade after the war.

NITRATE OF SODA.

Mr. Acland informed Mr. Partington, in the House of Commons on January 12, that the Board of Agriculture propose to ship to this country the nitrate of soda purchased by them if sufficient freight can be obtained in time for the ensuing agricultural season.

DENTAL MECHANICS WITH THE R.A.M.C.

Sir J. Harwood Banner, M.P., is calling the attention of the War Office to the rate of pay received by dental mechanics in the R.A.M.C., which is only 1s. 6d. per day for expert mechanic work with artificial teeth, compared with 3l. per week when in private employment before the war.

VACCINATIONS IN 1913-14.

Mr. Hayes Fisher, M.P., announced in the House of Commons on January 13 that the number of successful vaccinations in England and Wales in 1913 was 430,470 and in 1914 404,616. The number of declarations of conscientious objection was in 1913 308,235 and in 1914 321,313. In 1913 146 persons were proceeded against for offences under the Vaccination Acts.

DAMAGE TO EXPORTED PACKAGES.

The Secretary to the Treasury has informed Mr. Joynson-Hicks, M.P., that the internal examination of packages for export is an essential part of the Customs machinery. The opening and re-packing is by law and done at the expense of the exporter. The Treasury will do all in their power to safeguard the exporter's interests, but cannot accept responsibility for pilfering, loss, or breakage through the carelessness or dishonesty on the part of agents.

EXPORT OF SAMPLES.

At the suggestion of the War Trade Department a number of Chambers of Commerce throughout the country have acceded to the suggestion that samples of commercial value, forwarded by parcel-post, might be exempted from the requirements of a licence provided they are accompanied by a declaration from the Chamber of Commerce to the effect that the parcel contained the normal amount of *bona-fide* samples of no commercial value. It is suggested that this certificate could conveniently be impressed on the Customs declarations by means of a rubber-stamp.

THE HOME OFFICE AND DOPE-POISONING.

Replying to Mr. Rowlands on Monday, January 17, and on behalf of the Home Office, Mr. Brace stated, in regard to a fatal case of dope-poisoning, that the firm by whom the man was employed are doing all they can by administrative measures, including strict medical supervision and intermission of employment, to lessen the risk. Reports of mischief, in one case fatal, had been received from three other factories, and the cases are under investigation. The War Office are already using a non-poisonous dope in one factory, and the Admiralty have been making experiments of which the Home Office has not yet heard the results. A further conference has been arranged between the parties for this week.

TRADING WITH THE ENEMY.

Drastic additional powers for dealing with businesses carried on in this country for the benefit or under the control of enemy subjects are to be given to the Board of Trade by the Bill introduced by the Solicitor-General to amend the Trading with the Enemy Act. The Bill empowers the Board either to prohibit the carrying on of the business during the war, or to require it to be wound up; to appoint a supervisor of any business to ascertain whether any enemy subject has, or has had, any interest in it; and to vest enemy property in the custodian under the Trading with the Enemy Act. Companies with whom any enemy subject is associated may be refused registration, and the Court is empowered, on the petition of the Department, to order the winding-up of companies carrying on business abroad who are believed to be trading with the enemy.

REGISTRATION OF FIRMS BILL.

The Bill which was introduced in the House of Lords last week by Lord Southwark, on behalf of the London Chamber of Commerce, provides for the registration of firms and persons carrying on business under trade-names, and is to come into force on January 1 next. It provides that every firm carrying on business at any place in the United Kingdom under a trade-name which does not consist of the full names of all the partners without any addition, and every person carrying on business in the United Kingdom under any trade-name consisting of or containing any name or addition other than the full name of that person, shall register. The particulars to be registered with the registrar of the district are to include the trade-name, the general nature of the business, the full name, usual residence, and other occupations (if any) of the person or persons carrying on or intending to carry on the business, and if the business is commenced, or any new place of business is established, after the commencement of the Act, the date of the commencement of the business or establishment of the place of business. Where a firm or person carries on business under two or more trade-names, each of those trade-names must be registered; and where a firm carries on business in the United Kingdom and also abroad, the name of any foreign partner must be included in the statement, whether he is a British subject or not. The statement required on registration must either be signed by the person or by all the members of the firm to be registered, or, in the case of a firm, must be verified by a statutory declaration made by a member of the firm or intended firm. The penalty for failing to deliver the required statement is 1*l.* for every day during which the default continues. The second reading came on on January 19, but was negatived, the opinion being expressed that the Bill was of an inquisitive nature.

Trade Notes.

A STYPTIC PENCIL for shavers, as well as various manicure and toilet specialities, may be obtained from L. N. M. Nelson, importer of American goods, whose headquarters are Balfour House, Finsbury Pavement, London, E.C.

A NEW SHOWCARD of a particularly attractive character is offered to retailers by Dearborn, Ltd., 32-34 Theobald's Road, London, W.C. It is illustrated in their advertisement this week, in which also a complete price-list of their specialities is given.

"FICOLAX FEBRUARY" means that The British Drug Houses, Ltd., Graham Street, London, are having a special advertising campaign in respect to their popular fruit laxative, and they are offering the retail trade very special terms for purchases next month. Retailers should write to the B.D.H. for particulars.

WILLING'S PRESS GUIDE for 1916 has been published this week by James Willing, Ltd., 125 Strand, London, W.C. The "Guide," which is published at 1*s.*, gives the names and addresses of the newspapers of the United Kingdom and lists of the principal Colonial and foreign journals. The publication is of great use to advertisers.

PRICING GUIDE.—Mr. Charles Philip, chemist and druggist, 23 High Street, Herne Bay, has issued a "Supplement" to his "Chemists' Pricing Guide" for the pricing of drugs and dispensing, this having been rendered necessary by the great advance in cost prices. The tables contained in the previous "Guide" only covered from 1*d.* to 10*s.*, but they now meet present-day requirements. The price of the "Supplement" is 1*s.* 6*d.* post free.

HORLICK'S TWENTY-FOUR HOUR RATION.—Horlick's Malted Milk Co., Slough, Bucks, have introduced their malted-milk tablets in the form of a hermetically sealed circular box, 3½ in. in diameter and ¾ in. deep, which contains sufficient sustenance for twenty-four hours. The military authorities have taken them up well, and they are in large demand. The manufacturers now offer them for sale by retailers, on the understanding that they will only be sold for transmission to the Front, at 1*s.* 6*d.* per box.

BYNOGEN.—Allen & Hanburys, Ltd., Bethnal Green, London, E., have issued an improved casein nerve-food under the name "Bynogen." This is a combination of milk-protein 75 per cent., dextrin-maltose 20 per cent., sodium and calcium glycerophosphate, of each 2 per cent., and magnesium glycerophosphate 1 per cent. Bynogen is a powder and is packed in bottles enclosed in cartons, selling at 1*s.* 9*d.* and 3*s.* The flavour of the food is pleasant, and it is stated to have no constipating effect. Bynogen is administered in quantities of two to three teaspoonfuls with or after each principal meal, the quantity for children being in proportion.

The Burning of Bergen.

A DEVASTATING FIRE in Bergen, Norway, on January 15 and 16 has destroyed five million pounds' worth of property and thousands of people have been made homeless. The matter is of interest to our readers as Bergen is the cod-liver oil headquarters. Not that any cod-liver oil is manufactured there, but because it is the central market and



A GLIMPSE OF BERGEN.

the main port of export for that article, and the merchants of Bergen, by reason of the stocks they hold, practically control the market and the prices. Aalesund, further north and nearer the source of production, exports a great deal of oil, and much of the higher-grade oil is refined at that port, but the main supply comes to this country *via* Bergen. The fire has practically burnt out the business part of the town, but stocks of cod-liver oil are kept at the wharfs which have not been touched, and until definite information has been obtained it is fair to assume that the fire will not affect the markets materially, especially as the new season's oil is not yet available. It will be remembered that a similar fire occurred at Aalesund some ten years or more ago, when the town was practically wiped out. The older towns of Norway are very liable to these severe fires, as the houses and business premises are mainly built of wood, and when once started fires are difficult to stop. After the Aalesund fire brick or stone houses were erected, wooden structures being forbidden, and a similar result is likely to follow in the case of Bergen, which is one of the oldest towns in Norway and a most picturesque and interesting place, while the surroundings, sea and land, add to the beauty of the view. The picture which we give is the central part from a panoramic photograph, the seaside being a part to the right.

P.A.T.A.

A MEETING of the Council of the Proprietary Articles Trade Association was held at the Holborn Restaurant, London, W.C., on January 13, when there was a very full attendance of members. Among the business transacted was the following: It was reported that certain manufacturing members who advertise their goods without indicating that they are proprietary goods have met the Retail Section of the Council, and that negotiations which promised some redress are proceeding. Letters of sympathy were ordered to be sent to two members of the Council at present laid aside by illness—namely, Messrs. C. B. Allen and J. C. Umney. Hopes for their speedy recovery were expressed. A vote of thanks to the retiring President (Mr. W. Edwards) for his exceptional zeal during his year of office was carried with enthusiasm. Messrs. Whelpton were co-opted members of the Manufacturers' Section of the Council in place of Allen & Hanburys, Ltd., resigned.

OFFICERS ELECTED.

The following new officers and Committee were elected: *President*, Mr. Herbert W. Colley, Grimsby; *Vice-Presidents*, Mr. J. A. South (Steedman's), Mr. A. T. Webb (May, Roberts & Co., Ltd.), and Mr. J. Keall, Wandsworth; *Treasurer*, Mr. G. R. Barelay (Barelay & Sons, Ltd.); *Executive Committee*, the above officers of the Association, together with two representatives from each Section as follows: Messrs. Kutnow and Ridout (for the Manufacturers), Burroughs and Edwards (for the Wholesale), and Atkinson and Bunker (for the Retail).

A letter from the Metropolitan Chemists' Association of Victoria was read. In it a complaint was made that when advertising in Australia manufacturers of British proprietaries almost always advertise the British retail prices. It was pointed out that in most cases the wholesale price in Australia is as high as, and sometimes higher than, the British retail price, and it was averred that this had been a source of annoyance to Australian retailers for many years. The Victorian Association asked if the P.A.T.A. could do anything to call the attention of British proprietors to this abuse. The Council instructed the Secretary to send a copy of the letter to each member of the Manufacturers' Section with a request to do anything possible to rectify the anomalous state of things complained of, and also to send a copy to the Proprietary Articles Section of the London Chamber of Commerce, with a request that it be laid before their members.

DISTRICT MEETINGS.

A report followed of meetings of local Associations held throughout the country at which P.A.T.A. business was discussed and replies made to the various criticisms. One direct outcome of the meetings is an increase of membership in most of the districts visited.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

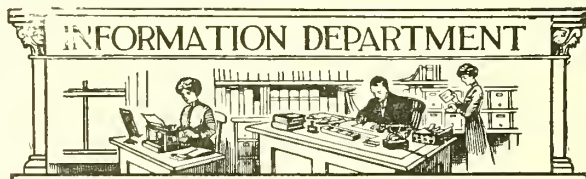
(From the "Trade-marks Journal," January 5, 1916.)

- "NUTRIMALT"; for a food product (42). By The Vegetable Oils Products Co., 17 Tooley Street, S.E. 370,225.
- "TEMPTATION"; for goods (42). By William's, Ltd., Waterworks Street, Bootle. 370,307.
- "K. E. L."; for toilet-cream and preparations for the hair and teeth (48). By J. P. Kenney, Post Office Buildings, Manchester Road, Stocksbridge. 370,401.
- Device of easel with card bearing word "EASEL"; for perfumery, etc. (48). By G. W. Goodwin & Son, Manchester. 369,132. (Associated.)

(From the "Trade-marks Journal," January 12, 1916.)

- "ELECTRO BRAND," with device of disc and sparks; for a bleach and for soda (1 and 47). By Electro Bleach and By-Products, Ltd., 32 Victoria Street, S.W. 368,481/484. (Associated.)
- "LOUVO"; for all goods (1). "LOUVAL" and "LOUVALINE"; for all goods (1 and 4). By Palatine Colour Co., 49 Spring Gardens, Manchester. 370,437/438/439/441/442. (Associated.)
- "GENERALAC"; for chemicals (1). By Gerstendorfer Bros., 231-235 East 42nd Street, New York. 370,555.
- "FLI-O-NOID"; for a fly and insect destroyer (2). By Esther M. Jay, Queen's Hotel Annexe, Church Road, Upper Norwood. 367,584.
- "EDCO"; for chemicals (2), mineral and aerated waters (44), and goods (50). By Edmonton Co-operative Society, Ltd., Fore Street, Edmonton. 369,550/558/686.
- "AUREX FOR THE SKIN AND HAIR"; for a medicated preparation (3). By Henrietta B. Buxton, 20 Rosemont Road, Acton, and D. W. Carr, 6 Norland Square, Holland Park Avenue, W. 369,764.
- "PAREEN"; for a medicine (3). By J. Dundee, 95 University Road, Belfast. 369,994.
- "LATONOL"; for a medicine (3). By Gelston & Co., 5 Church Street, Basingstoke. 370,010.
- "MAYELY"; for an ointment (3). By Boyle's Medical Hall, Ltd., 210 Falls Road, Belfast. 370,404.
- "IOMINTS"; for medicinal chemicals (3). By Warrick Bros., Ltd., 6 Nile Street, City Road, N. 370,454.
- "CONQUEROR"; for surgical instruments, etc. (11), and for india-rubber and gutta-percha goods (40). By United States Rubber Co., Ltd., 47 Farringdon Street, E.C. 370,698/700.
- "PETRAX"; for air-beds made chiefly of india-rubber (40). By W. Petrie & Co., Ltd., 5 St. Stephen's House, Westminster. 370,421.
- Facsimile signature "J. V. FABER & Co."; for food substances (42). By J. V. Faber & Co., 5 St. Nicholas Buildings, Newcastle-on-Tyne. 369,908.
- "SUPRIX"; for foods, etc. (42). By J. Thompson & Sons, Ltd., Gamble Street, Belfast. 370,330.

- "JIFFY"; for cocoa or milk foods (42). By Nestle and Anglo-Swiss Condensed Milk Co., 6 and 8 Easteheap, E.C. 370,427.
- "HYDROXYDASE"; for all goods (44). By Bayley & Co., 94 St. Martin's Lane, W.C. 369,658.
- "DUCK EL PATO," with picture of duck; for goods (47). By Lever Bros., Ltd., Port Sunlight. 370,662. (Associated.)
- "ODORONO"; for all goods (48). By The Odorono Co., 947-949 Blair Avenue, Cincinnati, U.S.A. 369,904.
- "FIXOL"; for a hair-preparation (48). By F. E. Powell, 18 The Crescent, Chiswick. 370,380.
- "GAGE D'AMOUR"; for perfumery, etc. (48). By Yardley & Co., Ltd., 105 Carpenter's Road, Stratford. 370,601. (Associated.)



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.
Telegraphic Address: "CHEMICUS, CANNON, LONDON" (two words).
Telephone Number: 3617 CENTRAL (three lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- | | |
|---|--------------------------------|
| 96/70. "Oxydal." | 97/71. Bailey's roup pills. |
| 100/67/68. Boldoot's Eau de Cologne; London agents. | 103/50. "Safety" male urinals. |
| 101/60. Van Vleck's specialties; London address. | 102/17. Voslauer Goldeck. |
| 98/26. Ovarythroid serum. | 102/17. "Espom." |
| | 103/7. "Pax" freckle-cream. |
| | 105/12. Silver leaf. |

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C.:

- | | |
|--|--|
| Anti-rheumatic socks, 93/26 | Kaufmann's sulphur bitters, 93/4 |
| Arnaud's fumigating pastilles, 81/33 | "Layoline," 93/44 |
| Aspirin (British makers), 91/3 and 98/29 | "Leeithate of iron," 97/18 |
| Austen's forest-flower cologne, 98/15 | Litharge, 87/17 |
| Automatic water-still, 100/62 | "Microbene," 87/31 |
| Baines' dielectric fluid, 101/60 | Neo-salvarsan, 103/7 |
| Bragg's charcoal biscuits, 85/620 | "Novio" toilet-paper, 87/51 |
| "Brillrose" nail-polishing sticks, 84/53 | "Nutrolactis," 94/65 |
| Cervick's cachets, 101/25 | "Ormet" veterinary specialties, 89/9 |
| Clarke's eye-lotion, 100/48 | Oxalic acid (for France), 92/63 |
| Cockle's pills 85/624 | "Papayans," 97/67 |
| Cocoon-and-milk tablets (actual makers), 97/40 | Papier-maché containers, 103/30 |
| Collapsible tube filling machinery, 103/59 | "Pazo" ointment, 81/22, 93/4 |
| "Comperieum," 81/21 | "Perodia," 99/32 |
| Conroy's malt coffee, 90/26 | Phenazone, 99/17 |
| Copper chloride, 91/4 | "Phormoid," 92/220 |
| "Creoline" disinfectant, 103/41 | Photographie enlargements, 87/67 |
| Crêpe bandages, 95/38 | Pierre's, Dr., Eau dentifrice, 85/14 |
| Crosby's elixir, 85/64 | "Pluvisin," 97/12 |
| "D. D. D." specialties, 99/27 | Pressing and blocking machinery, 92/71 |
| Deschiens' haemoglobin, 81/33 | "Rendal Bath Saltrates," 92/8 |
| "Electrargol," 100/63 | Rice's, Dr., patent truss, 95/16 |
| "Galyt," 99/28 | Sage, 99/30 |
| Garfield's tea, 103/7 | Salicylic acid, 94/64 |
| Glucose, 90/12 | "Stovaine," 100/65 |
| Gold paint, 92/61 | "Stymol," 103/7 |
| "Hennaghiuta" shampoo, 99/28 | "Telmo," 92/22 |
| "Hyzol," 100/46 | "Thallazol" disinfectant, 102/10 |
| Hypodermic syringes, 97/62 | Turner's ball-room floor-polish, 98/45 |
| Infants' feeding-bottles, 95/9 | "Zol," 103/39 |
| Johnson's soothing syrup, 85/622 | |
| Kruschen salts, 85/627 | |

ANGOLA BEESWAX.—The collection of wax from the nests of wild bees is an important native industry in Southern Angola. After robbing the nest, the natives replace it by a cylinder made of bark, usually about 3 ft. long and 18 in. in diameter, to which the bees readily return. The quantity of wax exported from Benguela and Lobito during the last five years (in tons) was as follows: 1910, 497; 1911, 528; 1912, 506; 1913, 510; and 1914, 550; the value in the last year being 53,315*l*.

Observations and Reflections.

By Xrayser II.

The Prescription-pricing Scheme

(with the subsequent checking at our expense) has been pretty well riddled by your correspondents, but nobody has, I think, contrasted it, as now explained, with what was promised us in the Report of the Departmental Committee. It was there put forth as a reason why we should welcome the new Tariff; it was represented as "a measure of relief" from our former obligations, and that in two ways—it would relieve us of the trouble and loss of time involved in pricing our own scripts, and from the annoyance of having them checked by the Insurance Committees. There was to be no further need of checking. This undoubtedly was worth something, but nothing was said as to our being charged for it; we were given to understand that we were paying by giving up our profit on drugs and appliances. We were even assured that there would be no further deductions from our accounts. The new arrangement as to pricing was held out as a bait, and we swallowed it without suspecting the hook. Did the Society know what was concealed from us? The Council takes us so little into its confidence that we have a right to ask the question.

The Use of the Word "Script"

In the memorandum relating to this subject is interesting, because it marks a revival of a use that had fallen, or was falling, into neglect. "Script" in present usage means generally "the characters used in handwriting (as distinguished from print)," but formerly it indicated a piece of writing, just as it is here used. We had begun to use it in this sense colloquially in reference to prescriptions, but this is, I fancy, the first instance of its being distinctively so used in an official document. The distinction between script and prescription is certainly new to me; it may prove convenient, but seems not unlikely to lead to confusion.

Secret Diplomacy

In political matters is no doubt often necessary, and one can imagine circumstances in which it may be so in things pharmaceutical, but surely there is no good reason why the correspondence between the Pharmaceutical Council and the Privy Council with regard to the scheduling of laudanum and the registration of apothecaries' assistants should not be published. It is certain that pharmacists generally are at one with the Pharmaceutical Council in the stand it is taking on these points, and it is conceivable that by taking us more fully into its confidence it might gain a good deal of moral support from our expressions of agreement. The wonder is that it does not give us the opportunity of strengthening its hands in every possible way. It assures us of its zeal in our service, and appeals for our sympathy, but nullifies both the appeal and the assurance by keeping us in the dark. It is the old stupid policy of distrust and autocratic government. It is amusing to see "consideration for the feelings of Government officials" put forth as an excuse for what is nothing but blind persistence in a bad tradition.

Mr. Humphrey

will have the sympathy of the trade in his enforced retirement from the editorship of the "Pharmaceutical Journal." This is not the place for criticising or commenting upon that publication, except as the organ of the Society, and Mr. Humphrey was, as any editor must be, heavily handicapped in his conduct of it by the fact that it is an official organ; but few, if any, will deny that during his editorship it grew increasingly attractive to many who were not in very close sympathy with its aims. That it did so on anything but original

lines was, perhaps, natural; example is infectious—even good example—and in any attempt to popularise the "Journal" it was almost inevitable that the lead of of the most successful contemporary trade-serial should be followed. To pay his rival the tribute of this sincerest form of flattery was Mr. Humphrey's best policy. I sincerely wish him renewed health in his honourable retirement.

The Folklore of the Elder

has recently been discussed at much length in "Notes and Queries," but without eliciting anything new, and, somewhat curiously, without mention of the plant's place in medicine, popular or official. Yet formerly the elder had a great reputation for a variety of medical uses. A book entirely devoted to its praise, a translation from the Latin, entitled "The Anatomie of the Elder," was published in 1644, and Evelyn endorses the author's declaration that every part of the tree is useful, adding that if its virtues were fully appreciated he does not know "what our countryman could ail for which he could not fetch a remedy from every hedge, either for sickness or wound." It had a place in our medical works from the Saxon Leechbook downwards, and the bark, berries, flowers, and leaves were all included in our Pharmacopœia. It was especially valued as an antiscorbutic, and therefore "prescribed in Cachexies and Dropsies," and the rob, under the name of *Succus Bacce Sambuci Spissatus*, retained its official character in England until 1809. Even the water of the flowers was given internally, and the bark was much esteemed in jaundice. Sir Thomas Browne mentions another use, for which he alleges a curious reason. Judas, he says, is believed to have hanged himself on an elder, which has therefore become "a famous medicine in quinsies, sore throats, and strangulations ever since"—a truly homeopathic remedy! As for the fact, that veracious traveller Sir John Maundeville declares that when he was in Jerusalem this "tree of Eldre that Judas henge himself upon" was still growing "faste by" the pool of Siloam. It is a sad come-down for a tree with such a record that it now yields material for outward applications only, and that its extra-official use is mainly confined to the charming away of warts.

The Apple,

though it was formerly official in this country, and entered into several old compound syrups, has never been of much account in medicine. Its presence in unguentum pomatum, to which it gave a name, called forth sarcastic comments from Culpeper and later critics. The Edinburgh College were the first to strike it out, but they retained both apple and crab in their materia medica for some time afterwards. In addition to its cooling and refreshing properties, the apple was recommended as an aperient and cordial, and crab-juice was used as an astringent in gargles, and in relaxation of the bowels. The apple especially prescribed here was the pomewater, in France the rennet, which was introduced into England and took the place of the old-fashioned pomewater in many later unofficial pomatums. It was not until 1746 that apple-pulp was omitted from the P.L. ointment, orris-powder being left out at the same time, and the name ung. pomatum changed to ung. simplex. In the Edinburgh book its name, after 1735, was for a while ung. rosaceum, *vulgo* pomatum. Gerard recommends a distillation of apples and camphor, mixed with buttermilk, as an application for pock-marks, and a drink made of apples (which he compares with "Lambes wooll") as a remedy for strangury and gonorrhœa. I have pleasing recollections of lamb's wool as a drink in cold weather, but I do not see it advertised in public bars now, possibly because I do not frequent them. Pomatum was originally a cosmetic for the skin, and the restriction of the name to preparations for the hair is quite recent.

New Terms of Supply

NOTICE IS HEREBY GIVEN that new terms of supply to the Trade are now in force in respect of all Retail



Preparations, and the Retail Prices are their face values.

Details will be sent on application.

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December 1915.

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"The Laboratory in the Waistcoat Pocket."

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Editorial Articles.

The Perennial Subject.

THE amended Medical Benefit Regulations prepared by the National Health Insurance Joint Committee, which were epitomised in the *C. & D.*, November 6, 1915, p. 53, have now been approved for application in England and Wales, and have been issued by the Commissioners. There are a few verbal alterations upon the draft. In Article 5, dealing with the adjustment between the Drug Fund and the Practitioners' Fund, the Insurance Committee is required to afford the Panel Committee *reasonable facilities for examining* all or any of the statements of account and forms upon which the drugs and appliances have been ordered. In the draft the Insurance Committee was required to *submit* these statements and forms to the Panel Committee for examination. A similar alteration is made in Article 8, dealing with payment to persons supplying drugs or appliances, so that the latter part of Clause 1 reads as follows:

Provided that the Committee shall, if the Pharmaceutical Committee or the person supplying drugs or appliances concerned so requires, *afford* that Committee or person *reasonable facilities for examining* all or any of the forms on which the drugs or appliances were ordered, together with particulars of the amounts calculated to be payable in respect of such drugs and appliances, and if the Pharmaceutical Committee or person take objection thereto, the Committee shall take such objection into consideration.

The words which we print in italics are new, as will be found on comparing with the draft the clause printed in the *C. & D.*, January 8, p. 46. In the clause as passed the word "afford" takes the place of "submit to." In Article 9 the right of the Insurance Committee and the practitioner to be heard by the Commissioners in regard to the surcharge of any panel practitioner is transferred from Sub-clause (4) to (5). Otherwise the articles are the same.

We expressed the opinion last week that when the prescription-pricing bureaux get into the swing of their work there will be little for the checking bureau to do. In this connection we should like to know how the Bloomsbury checking is to synchronise with the dates that panel chemists have to observe in order to facilitate the work of the pricing bureaux and the payment of their accounts. Thus, supposing all chemists in

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GLAUBER SALTS (Pea Crystals)
EPSOM SALTS (Clean and Dry)
FLOWERS OF SULPHUR
FULLER'S EARTH (specially Fine Quality)
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Index Folio 100

England and Wales post the Insurance prescriptions which they have dispensed in January, so that they may be received at the appropriate pricing bureaux not later than February 4, the pricing has to be completed within a month from the date appointed for the receipt of the prescriptions, then the necessary forms have to be completed and transmitted to the Insurance Committee. Suppose the latter Committee receives the pricing bureau's documents by March 5, at the latest, the Committee then transmits the advice-note to each panel chemist, and payment of 80 or 90 per cent. has to be made on March 15. If the chemist receives his advice-note on March 6, and desires to raise objection to the calculations of the pricing establishment, he must notify the Insurance Committee within seven days—i.e., by March 13. We daresay most panel chemists would have little difficulty in doing this themselves, but if they happen to be in one of those areas where the Pharmaceutical Committees have entered into a contract with the Pharmaceutical Society to do the checking, they must obviously wait until the Bloomsbury check has been made. Now, the Bloomsbury bureau has contracted to do the checking in sixty-four areas, and the operation begins with Mr. Phillips visiting the areas, selecting the scripts to be checked, and forwarding them to London, where they will be checked under Mr. Mallinson's supervision. The scheme seems to us impracticable on time. The alternative is that the prescriptions will not be checked within the seven days, so that the payment of them must be delayed for a month, thus violating the principle of prompt payment which, above all others, panel chemists fought for. There are also economic considerations. In order to carry out the scheme the Society instructed local Pharmaceutical Committees to ask for the full amount for expenses, the result being that two or three times more is wanted—e.g., the Hertfordshire Pharmaceutical Committee asks 212*l.* 10*s.* instead of 76*l.* 17*s.* The Society may have been under the impression that this would come out of the floating sixpence, but the Commissioners have deliberately made a regulation requiring the money to be refunded by panel chemists, off whose accounts it is to be deducted *pro rata*. Besides this, the Society's instruction encourages the very thing that the Government and all far-seeing people in this country are discouraging—thriftlessness. Surely a Pharmaceutical Committee which got along very well with 76*l.* 17*s.* in 1915 does not need 212*l.* 10*s.* in 1916. It will be surprising if the Insurance Commissioners as a department of the Government sanction these grants, so difficult, if not impossible, to justify in these need-for-economy times.

Exports of Cocoa.

LAST week's interesting debate in the House of Lords on our exports of cocoa to neutral countries indicates that the War Trade Department and the Government intend gradually to tighten up their precautions against the enemy deriving cocoa supplies from Britain *via* neutrals. Judging by the figures submitted by Lord Sydenham, an enormous trade has been in progress from this side—e.g., an export of 6,638 tons between August 1913 and July 1914 had increased to 30,086 tons between August 1914 and July 1915. Parenthetically we may remark that before the war Hamburg did as much business in cocoa as London, although it was British Colonial produce, and this business is now coming to us—facts which should not be overlooked. Our total exports of cocoa (most of

it the raw cocoa-beans) in the first sixteen months of the war amounted to 33,357 tons, against 8,883 tons in the corresponding sixteen months before the war—an average of 2,000 tons a month during the war and of 500 tons before it. Holland, Denmark, Norway, and Sweden took among them only 1,161 tons of cocoa in 1913, against 7,581 tons in 1914 and 15,316 tons in 1915 up to December 21. The Board of Trade Returns show that our exports to Holland were 984 tons in 1913, and that they ran up to 5,048 tons in 1914 after less than five full months of war. What the exports to Holland were in 1915 has not yet been ascertained. In the eleven months before the war Denmark imported from us 2,211 tons and Sweden 1,550; but in eleven months during the war Denmark imported 18,071 tons and Sweden 11,120 tons. We may supplement these figures from the Board of Trade Returns issued last week, which show that our total imports of raw cocoa last year were 83,529 tons, of which 46,523 tons was entered for home consumption, these figures being about double the usual quantity. Our total exports of raw cocoa last year were 27,512 tons, against 12,129 tons in 1914 and 6,778 tons in 1913. The last two years, therefore, show extraordinary figures, and we understand that so much has been exported that home traders are getting anxious as to their supplies, and have so bidden one against another in order to get raw cocoa that prices are at least 50 per cent. dearer since the war. Lord Lansdowne, in his answer to Lord Sydenham, said:

"Before the war began Hamburg had been an *entrepôt* for cocoa, and much of the crop from our West African Colonies for neutral countries found its way through that port. Since the war that traffic had been diverted to this country, and to that extent we had captured German trade, so were entitled to congratulate ourselves. But after making allowance for the consumption of neutrals, it is probable that some of the cocoa we re-export finds its way to the enemy. In July last cocoa in all its stages and preparations was added to the restricted list, and that policy had been attended with a fair measure of success. Licences are now issued for exports to neutral manufacturers in quantities not in excess of their ordinary requirements, and guarantees are required from them that the cocoa would be consumed in the countries to which it was consigned and would not be re-exported. There is an exception in the case of the Netherlands, which returns the raw cocoa to this country in a manufactured state. If we were too stringent we might prevent neutrals from importing their cocoa through this country, and in that event we should lose such control as our licences give us over the cocoa-supply of the neutrals, who would procure their imports from overseas."

We understand that many of the British cocoa-manufacturing firms have been greatly concerned at these export figures, and have several times directed the attention of the Government to the matter, but hitherto no action has been taken (see *C. & D.*, January 15, p. 34). Raw cocoa (to which the figures refer) is sold in the open market in Mincing Lane, and there is nothing to prevent anyone buying in the public auctions, then exporting it to Scandinavia, provided he can get the necessary permit. This is largely what has happened, and since the war "outside" buyers have outbidded the home trade. The fact must not be lost sight of that there has been a great inflation of imports for reasons stated above, and that many neutrals have to come to London to buy cocoa for use in their own countries. The best way out of the difficulty would be to "ration" imports to all neutral countries on a three-years' pre-war average. As it is, they take advantage of the extremely high prices offered by Germany, and often go short themselves. This applies not only to cocoa, but to other foodstuffs. A section of the daily Press is agitating the question on the ground that the Germans want cocoa-butter to

make glycerin for explosives. That is a far-fetched idea, for the Germans are getting more fat from sewage, and at a much lower price, than they can get from cocoa. But any stick is good enough to beat a dog.

Our Winter Issue.

THE next number of THE CHEMIST AND DRUGGIST, for the week ending Saturday, January 29, will be the annual Winter Issue, and will go to press earlier than usual. We therefore advise contributors and correspondents that the number will begin to go to press on Monday, January 24, and the news pages will close for press on Wednesday, January 26. All copy should therefore be received by us by the first or second post on Wednesday morning, but the earlier in the week we get the copy the better. News of special importance received on Thursday morning will be inserted in the Coloured Supplement.

The Publisher desires us to remind advertisers also that any business-houses which have not arranged with him or given instructions in regard to their advertisements in the Winter Issue should advise him as promptly as possible, as the advertisement pages also begin to go to press on Monday, January 24. He cannot keep space open later than Tuesday, January 25, when all copy and proofs should be received by him with the first post that morning. Advertisers should make sure that they have an advertisement in the issue by telephoning to the Publisher, our number being Central 3617, or by telegraphing to "Chemists Cannon London" (two words), and more detailed instructions should be sent by first post addressed "The Publisher of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C." It is proposed to keep the Coloured Supplement for next week open until Thursday morning, but advertisements for the Supplement received after twelve noon that day cannot be guaranteed insertion.

B.P. Notes.

By "Abel Scholar."

Mucilage of Tragacanth

is a source of much trouble to prepare, and it is often difficult to avoid the formation of lumps; when made it does not keep well, and has therefore to be freshly prepared. What is the objection to the use of spirit of chloroform for this preparation in place of spirit? It is a distinct advantage, and would not be objected to by the doctor, for is not chloroform, like nux vomica and mag. sulph., one of his sheet anchors?

Acetum Cantharidis.

In some of the synopses issued by wholesalers it is suggested that acetum cantharidini is the new name for acetum cantharidis. This is not so, and the former cannot rightly be used for the latter, in spite of the note at end of the monograph to the effect that the preparation contains approximately the same amount of cantharidin as acetum cantharidis, B.P. 1898. Doubts have arisen in the minds of some dispensers as to what should be given when "acet. cantharidis" occurs in a prescription. I submit that the 1898 preparation is clearly indicated.

"CAN I have a glass of soda-water?" asked a strong customer of a provincial pharmacist. "Yes, certainly; but it is rather a cold drink for the day." "Never mind; for this relief much thanks." Exit customer. Enter another strong one. "Soda-water for me, please. Ah, thanks; I will add a little lime-juice (!) from my flask, and now a pellet of saccharin. Good day." Now the "lime-juice" left an odour of Scotch whisky, and the pharmacist will be out of soda-water when customers in such collusion return.

Medical Gleanings.

Rheumatoid Arthritis.

DR. M. J. ROWLANDS in "The Lancet" (1916, I., p. 133) has an interesting paper on rheumatoid arthritis, in which he emphasises the toxic nature of the disease. It is due to the absorption of toxins which first affect the nerve-supply to the joints and surrounding muscles. Clinically it is found that disorganisation of the joints themselves is always a later phenomenon—often much later than the weakness and wasting of the muscles and the characteristic nerve-pain. Predisposing causes are heredity, injury, exposure, worry, and malnutrition. The commonest foci of infection are oral sepsis, the tonsils, post-nasal space, female generative organs, cystitis, rectal infection, appendicitis, and antral infections. Three age types of rheumatoid arthritis are recognised: (1) Adolescent, (2) middle-age, and (3) senile. The middle-age type is the most common and most amenable to treatment. The cardinal point of the treatment is disinfection of the original focus, but it is only in the early cases that removal of the source of infection will at once cure the condition. In the cases of longer standing the toxæmia itself has also to be treated, and for this purpose vaccine-therapy has proved of great assistance. Autogenic vaccines are to be used for this purpose, the pathogenic organism having been isolated for the purpose. The usual forms of treatment should be administered simultaneously with the vaccine-therapy, including attention to the general condition, removal to a bracing climate if possible, massage, baths, tonics, and removal of sources of worry.

Simpson Light.

THE Simpson light, which is being employed for therapeutic purposes, is the subject of an article in "The Lancet" by Mr. W. Douglas Harmer, F.R.C.S., and Dr. E. P. Cumberbatch, of St. Bartholomew's Hospital. What is known as the Simpson light is the light emitted from an electric arc formed between electrodes of special composition. These electrodes are made by a special process from a mixture of the ores of certain metals, the chief one being a tungstate of iron and manganese, known as wolfram. These electrodes are the special feature of the Simpson lamp, and they confer upon the light the properties that distinguish it from that produced by the more familiar type of arc lamp, in which the electrodes are made of gas-carbon. Mr. Simpson, who was making a research on the affinity of rare metals for each other, noted that the light produced by the electric combustion of certain ores had "curative effects on the workmen's hands." He then proceeded to prepare from these ores electrodes suitable for combustion in an electric arc lamp. This he did after overcoming many difficulties. The Simpson light is made up of rays of two kinds: (1) Visible rays. These are the visible rays of the luminous spectrum—violet, blue, green, etc., down to red; these rays together produce white light. (2) Invisible rays. These are heat-rays and ultra-violet rays. It is to the latter that the therapeutic properties of the light are mainly due. Professor Horton, who investigated the physical properties of the light, reported that the arc is an extremely powerful source of ultra-violet rays, much superior to that of the Finsen lamp, and with electrodes of other metals than wolfram. The therapeutic action of the Simpson light is due mainly to the ultra-violet rays, and its superiority over other sources of this light is due to the presence in it of waves of shorter length. There are two forms of the Simpson lamp; in one the "open-arc" method and a plane mirror are used, and the electrodes are placed 12 in. to 15 in. from the skin. The light is applied for two minutes to begin with, and the exposure afterwards increased. The "focussed-arc" lamp has a parabolic reflector, and the area to be treated is placed at the focus of the reflected rays. The eyes of the patient and the operator must be protected from the action of the rays. Rodent ulcer, lupus, syphilitic ulceration, and vaso-motor rhinitis have been treated by the Simpson light, while the white vapours given off when the lamp is burning have been employed as an inhalation in asthma. Simpson light has been found to stimulate the healing of wounds and to give promising results in other cases in which it has been tried.

THE "Daily Chronicle" publishes a letter by Mr. P. F. Rowsell, J.P., in which he tells of a young qualified chemist who gave up a very promising career to offer himself for pharmaceutical work in the Army, which he was promised before enlisting, and when Mr. Rowsell saw him about a month later the nearest approach that the young chemist had had to pharmaceutical work was scrubbing floors.

Veterinary Notes.

By a M.R.C.V.S.

Horse Factors.

THE following average weight, capacity, and measurements of the horse's organs may prove interesting to many: Heart: $6\frac{3}{4}$ lb. weight, $10\frac{1}{4}$ in. long, $7\frac{1}{2}$ broad, and $5\frac{1}{4}$ thick. Stomach: 3 to 4 lb. weight, 3 to $3\frac{1}{2}$ gals. capacity. Small intestine: Length 72 ft. Cæcum: Length 3 ft., $7\frac{1}{2}$ gals. capacity. Double colon: Length 10 to 13 ft., 18 gals. capacity. Floating colon: Length 10 ft. Spleen: 2 lb. weight. Liver: 11 lb. weight. Kidneys: Right, 27 oz.; left, 25 oz. Brain: 23 oz.

Some Hints on Eye-practice.

As is well known, the eye is the most delicate structure of the body, and should not be interfered with without thorough understanding of its structure, as well as its healthy and diseased conditions. In treatment of the eye in animals it is advisable to use ointments. A good and safe one which gives relief to most eye-diseases is:

Hyd. oxid. flav. gr. x. xv.
Vasellini 3j.—M.

Apply twice or thrice daily.

When there is intense pain through the presence of foreign bodies or inflammation the eye should be well cocainised until the cause is removed. Avoid preparations of lead or copper salts in abrasions of the cornea as they produce permanent opacities. Distilled water should only be used when aqueous solutions are required. It is not advisable for veterinary chemists to prescribe for the eye except in simple cases, for where there is a lengthened period of treatment without improvement much harm may be done, hence the desirability of the best veterinary advice at the outset.

Ringworm in Horses.

THIS ailment is becoming very prevalent owing, it is supposed, to so many Army horses coming immense distances without any cleaning or grooming whatever. The fungus is found on board ship and at the depôts for entraining, thus for the want of cleaning every facility is given for the spreading of the disease. Fortunately ringworm is not difficult to cure, but requires time. It commences as a small pimple and gradually widens until it attains the size of a penny. Fortunately it is the opposite to mange, as there is no itch or irritation. A strange coincidence in its history is its spontaneous cure, as seen in *Tania decalvans* of the human subject and tetter in calves. When the disease is first seen or suspected a slight dressing of acid. carbol. dil. on the pimple usually suffices to cure, but when it is in a more advanced stage segregate the affected animals and have special servants to attend them and special stable tools and utensils. Clip and singe the parts, then wash thoroughly with a fairly strong alkaline solution. Next scrape with a blunt knife or piece of glass; afterwards dress with tr. iodi. hyd. iod. rub. (1-8), or sol. hyd. perchlor. It is advisable for the attendants to be careful and to wear gloves and keep the skin covered as far as possible, as they may be infected, and thus spread the disease to others in close contact.

Cottonseed-cake as Cattle-food.

"NATURE" (Vol. 96, 2409, p. 487) has a note on the employment of cottonseed-cake as a cattle-food. It is recalled that while cottonseed-cake may be fed profitably to horses, cattle, and sheep in moderate amounts, poisoning, and often death, may occur as a result, especially if the animal has not been gradually accustomed to it. It is generally avoided in the case of pigs on account of the numerous deaths associated with its use. The toxic properties of the meal are attributed by Messrs. W. A. Withers and F. E. Carruth ("Journ. Agric. Research," Vol. V., p. 261) to the substance gossypol, which was first isolated by Marchlewski in 1899 from the cottonseed, and patented as a prospective dyestuff. This substance is now shown to have a strong toxic effect upon all the animals experimented with. It occurs in the so-called "gland-dots," or "resin-glands," of the seed, and also in the cambium layer of the bark of the root. The problem that now awaits solution is to devise a means of rendering this substance non-toxic. While gossypol can be readily oxidised to a non-toxic form, and can also be rendered harmless by iron salts, the seed-tissue surrounding the cells prevents the free action of reagents, so that difficulty is presented in practice in rendering the cake innocuous by a simple treatment. This, no doubt, will be devised before long, is the comment of our contemporary.

Parturition Ideas.

THE season of parturition among farm stock is approaching, and veterinary chemists should be prepared for sudden calls and have a stock of remedies required for the treatment of sequele, the most common of which are milk-fever, retention of placenta or "cleanse," garget or mammitis, metritis, paralysis, red-water, and chapped teats, as well as abnormalities of the milk and its secretion, all of which are fully described in "Veterinary Counter-practice."

Cleansing-draughts should take the premier place in the stock, as they are oftentimes required. A very good draught is the following:

Potass. nitrat.,
Camphoræ aa. ʒj.-ʒij.
Ergotæ ʒj.
Pulv. zingib. et gentian. aa. ʒj.
Mag. sulph. ad ʒvʒj.—M.

For one dose.

It is now considered to be imperative to insert one or two antiseptic pessaries into the uterus immediately after parturition, which keeps the structures of the womb in a perfectly aseptic condition. One or two should also be used after expulsion of the "cleanse," especially when it has to be taken away, and continued for a day or two until all discharge ceases. The pessaries are more beneficial and have more soothing effects than flushing the womb and do not cause any unnecessary pressing or straining. The formula for a cow is:

Acidi boricæ,
Iodoform. aa. ʒij.
Glyco-gelatin basis ʒj.—M.S.A.

For other animals use smaller quantities.

Dutch Chemical-industry.

THE influence of the war upon the chemical-industry of Holland is dealt with in an interesting article in the "Chemiker Zeitung" of December 18, 1915, in the course of which it is stated that conditions on the whole appear to be satisfactory. Naturally all branches are meeting with difficulties as regards the supply of raw materials, and the restriction of exports narrows business all round. Makers of pharmaceutical chemicals are very busy, as the demand for all kinds of medicines has increased, and many items are not now procurable from England and Germany. Essential oils have been sold in large quantities at rising prices. As regards mineral acids, makers of sulphuric were able to continue work for a long time after the outbreak of war, but at the end of 1914 sulphur became scarce as there were no imports from Italy, and this led to an advance of more than 300 per cent. in sulphuric acid. The Government prohibited exports and endeavored to secure imports of sulphur and ores, but were not very successful. The imports of sulphur into Holland in 1914 were only 15,437 tons, against 36,937 tons in 1913. Hydrochloric acid has been very scarce, but a new Amsterdam factory has relieved the situation somewhat. No saltpetre has been imported, and the price has more than doubled, there being only one factory in Holland. The alkali-works appear to be doing fairly satisfactorily, but the potash-industry has effected very few sales. Superphosphates are suffering from the prohibition of exports and the difficulty in obtaining supplies of phosphates and sulphuric acid. The seed-oil works have every reason to be satisfied, especially linseed-oil makers, who have made huge profits, the prices having advanced to "record" figures. A short time ago the exports from Holland were prohibited. The prices of other fixed oils have also increased, but they are not of so much consequence. Since July 1915 raw materials for fixed oils obtained through the Netherlands Oversea Trust may not be exported. Soapmakers are extremely busy with household and toilet soaps, but for home consumption only. The sugar-industry is suffering from a prohibition of exports to England, and there is a partial prohibition on exports to foreign countries, only unrefined sugar (60 per cent. of the total production) being allowed to be exported, so that the refiners will shortly be reduced to supplying home consumption only. At the outbreak of war there was a sudden large demand for acetic acid in foreign countries, and the makers cleared most of their stocks. Later it was impossible to increase the output, and further orders could not be executed. Brewers report a diminished consumption of beer. Painters' colours have suffered from the high prices of oils and the difficulty in getting drums and other containers. Whitelead-makers report a great scarcity of raw materials and consequent high prices; lithopone has been sold in large quantities and business is normal.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

With special reference to the supply of medicines and appliances.

ENGLAND.

Bedford.—The "Bedford and County Record" of January 11 devoted about a column to the difficulty of supplying drugs under Insurance Medical Benefit in Bedford, stating that it is the High Street chemists who have decided to relinquish the service, the resignations being six out of fourteen, but it is still possible for insured persons to get their prescriptions dispensed in the town. The "Record" adds that the High Street chemists came to the conclusion that the game is not worth the candle, but they had no wish to hinder insured persons from getting their prescriptions made up elsewhere in the town. The Clerk of the Bedfordshire Insurance Committee does not anticipate any difficulty in the matter. Mr. Royle, Chairman of the Medical Benefit Sub-Committee, has written as follows to the Insurance Commissioners: "The Clerk reported at our meeting on Wednesday last that the result of the submission of the new agreement to the chemists had resulted in six chemists out of fourteen in Bedford resigning, and as one of them has at least three shops in different parts of the town, this will mean very considerable inconvenience to our insured members." The Insurance Committee objects to the group system of prescription-pricing.

Derby.—The Borough Insurance Committee met on January 19, and ratified the agreement to join the central prescription-pricing bureau at Sheffield. At the request of the Derby Pharmaceutical Committee it was decided to acquaint the bureau with the following conditions obtaining in the town:

The British Pharmacopœia and the British Pharmaceutical Codex only are accepted as the standard for mixtures, liniments, ointments, etc.; when aqua is ordered in a prescription ordinary water is used and not charged for, except in cases where a dangerous incompatibility might occur, when distilled water is used and charged for; and prescriptions marked "Urgent" by the doctor and dispensed between the hours of 8 P.M. and 9 P.M. and on Sundays carry an extra dispensing-fee of 3d.

The Clerk was authorised to make monthly payments to each chemist in accordance with the regulations.

Derbyshire.—The Insurance Committee, at its meeting on Monday, January 17, affixed its seal to the agreement with eleven other Committees in the district for the establishment at Sheffield of a prescription-pricing bureau. The agreement is to remain operative for at least three years. The Medical Benefit Sub-Committee reported that it had received a communication from the Derbyshire Pharmaceutical Committee as to giving 33½ per cent. profit on all emergency dressings and appliances in bulk, and an extra dispensing-fee of 3d. (double fee charged on any one preparation not to exceed 6d.) on any prescription marked "Urgent" and dispensed between 8.30 P.M. and 8.30 A.M. The Sub-Committee had also discussed the advisability of adopting a local Pharmacopœia, and had decided not to entertain the proposal. The report was confirmed. On the recommendation of the Finance Sub-Committee, it was agreed to request the Panel Committee to investigate the accounts of chemists in two districts where the number of prescriptions per insured person was reported to be abnormally high.

Dewsbury.—At a meeting of the Insurance Committee on January 13, Mr. J. Longbottom, in referring to the new system for pricing prescriptions, asked every member representing insured persons to watch that the insured person gets first-class prescriptions. He was not in favour of reduced prices of drugs, although he was in favour of 20s. in the £ being paid according to the price-list by which the chemist had to work. Another source from which income might come was that the doctors might possibly give fewer prescriptions. Mr. R. Gledhill (chemist) said in reply, "I must tell Mr. Longbottom we are a class of gentlemen who do our duty, and, speaking on behalf of my profession, I know it (Mr. Longbottom's speech) will receive from them the castigation it deserves. To my mind, it proves that he (Mr. Longbottom) is not fit to be Chairman of the Medical Benefit Sub-Committee." The Chairman (Councillor F. Dwyer), replying to Mr. Gledhill, said he did not think Mr. Longbottom cast aspersions on the chemists, and if he did he was sure they were not shared by the Committee itself.

Durham.—It was reported to the County Insurance Committee on January 13 that 95,607 prescriptions were dispensed during the third quarter of 1915, at a cost of 3,192l. 14s. 11d.

Essex.—The County Pharmaceutical Committee met in River Plate House, Finsbury, E.C., on January 18, when it was decided to support the protest to the Commissioners as to the inadequacy of dispensing-fees under the new Tariff. Application was made to the Insurance Committee for the allotment of ½d. per insured person for administrative expenses. It was explained that the unexpended balance would revert to the Drug Fund, but the decision as to joining a checking bureau set up by the Local Associations Executive was deferred. It was agreed to call the attention of that Executive to the complicated method suggested for proving the inadequacy of 0.8d. as the establishment-charge, and to ask for a simple method. The recommendation of the Finance Committee (to be submitted to the Insurance Committee on January 25) came up for consideration. It was agreed to accept the offer of payment of 6d. per script on accounts not under 10s. on the 15th of the month and the balance on the 15th of the month following. Mr. Goode pointed out that in some cases this will mean over-payment, and in these cases chemists must look for a corresponding decrease in the following month. The Insurance Committee reserve to themselves the right of modifying this scheme if necessary with the concurrence of the Pharmaceutical Committee, and arrangements have been made whereby this can be dealt with promptly so as to avoid delay in future payments. The method by which statements are to be rendered, as also the methods of pricing bureau, were fully explained by the Secretary. Copies of these will be in the hands of every panel chemist in the course of a few days. Progress was reported in negotiations with regard to tuberculosis prescription pricing. Mr. Goode asks us to state that cheques on account of the fourth quarter of 1915 will be sent to those who rendered their accounts promptly immediately after the Insurance Committee meeting next week.

Hertfordshire.—At the meeting of the Insurance Committee on January 17 the Clerk presented a further report upon the desirability of joining the proposed East Anglian group of Insurance Committees for the purpose of pricing prescriptions, as to which another Conference had been convened by the Commissioners, with the results explained in the *C. & D.*, January 1, p. 56, and January 8, p. 50. The Clerk advised that it would be wise for the Committee to join the group rather than incur the administrative expenditure of setting up a separate pricing establishment without any probability of obtaining any contribution towards the excess cost. This was accordingly agreed to, also that three months' notice be given to Mr. E. J. George, prescription accountant, determining the arrangements for checking prescriptions at present existing with him. The Pharmaceutical Committee's administrative expenses for 1916 were estimated at 212l. 10s., this being based on a charge of ½d. for every insured person. For 1915 the expenditure was 76l. 17s. Mr. Mayer commented on the heavy increase in the expenditure, and Mr. Beaumont (speaking on behalf of the chemists) said that their estimate last year was 126l., but they only spent 76l. As it came out of their own money he did not think there would be any objection. Mr. Cooper did not understand why the estimate should be so high, and suggested that the Committee might recommend to the Commissioners that the ½d. be reduced to a ¼d. The report was adopted. Chemists' accounts for 1915 amounted to 5,851l. 18s. 9d., and were paid in full.

Middlesex.—The Pharmaceutical Committee met at the Holborn Restaurant on January 12, Mr. Herbert Skinner in the chair. Arising out of the correspondence was a prescription for adrenalin gauze which the checkers had disallowed. After discussion it was admitted that, though the checkers had been technically correct for practical purposes, the gauze should be recommended for payment, and the matter was remitted to the Checking Committee for disposal. An animated discussion ensued over the suggested arrangements for checking during 1916, and various points of view were submitted. Finally, it was agreed that the details furnished were so meagre that the Committee were quite in the dark what they were going to get for the money expended, and pending further information the subject was again postponed. It was felt that the information should also be furnished to the district Associations for discussion so that panel pharmacists should plainly understand what is required. The November 1915 figures are 63,970 prescriptions, 2,109l. 19s. total cost, and 7.91d. average. The finances for last year promise little, if any, discounting, and there is every prospect of an early settlement.

Norfolk.—The Earl of Kimberley presided at a meeting of the Insurance Committee, held at Norwich on January 15, when it was resolved to join the East Anglian group for the purposes of prescription-pricing, which the Chairman thought was the only possible solution of the question.

Southampton.—At last week's meeting of the Insurance Committee it was decided to instruct panel doctors to the effect that *locum tenens* must stamp the prescriptions they write with the name of the principal, using a rubber-stamp, but, on the suggestion of Dr. Robson, it was agreed as an alternative that the principal's name should be decipherable. The Pharmaceutical Committee submitted samples of prescriptions by one of the panel doctors, and the Clerk was instructed to inform the doctor that it would assist the Committee and the chemists if prescriptions could be written legibly.

Southend-on-Sea.—At a meeting of the Insurance Committee on January 11, Alderman Senier said it was a matter of congratulation that they were able to suggest that chemists should be paid on the basis of 90 per cent. and the doctors on a basis of 80 per cent. Considering this was the first year, and the disadvantages they had to suffer, he thought the result was certainly not unsatisfactory. The Chairman explained that chemists had been paid 75 per cent. for three quarters and 90 per cent. for the fourth quarter. A long report was presented as to correspondence with the Commissioners about the pricing of prescriptions. The Committee had objected to Norwich as the headquarters. Alderman Senier said that, inasmuch as the Essex Committee are now coming in, he did not think that this Committee could stand alone, and as alterations in the original scheme had been made (*C. & D.*, January 8, p. 50) he moved that they should join the East Anglian group. This was agreed to.

St. Helens.—At a meeting of the Insurance Committee last week, the Hon. E. Cozens-Hardy, in explaining the new arrangements for the payment of chemists, stated that St. Helens is grouped with eight other towns for the purpose of prescription-pricing, and the cost to St. Helens will be about 67*l.* a year, instead of 20*l.* as at present. In reply to a question, Mr. Cozens-Hardy indicated that it was not true that doctors would not be able to prescribe efficient medicine under the new system, for if a doctor found that he could not give efficient medicines without exceeding the average cost, then he would prescribe the expensive drugs, and they did not pretend to stop him. Dr. Graham, however, pointed out that considerable pressure is put upon panel doctors, in order to keep down the price and number of the prescriptions; and in the discussion the general opinion was in favour of Dr. Graham's statement, but no definite conclusion appears to have been arrived at.

Suffolk (East).—The Insurance Committee met at Ipswich on January 18, when the Clerk reported that ten out of seventeen Committees in East Anglia had decided to join the Commissioners' Prescription-pricing Bureau, the other seven requiring more time to consider the matter. Mr. A. Pain, Ph.C. (Ipswich) said that under the scheme they could not expect honest chemists to carry out the work. The whole system was playing into the hands of dishonest people. The remuneration was so absolutely small for an honest man that they would not touch it. Formerly they had had some degree of confidence in the pricing and checking of prescriptions, but they could not feel so confident under the new arrangements. He had had handed to him that morning a few prescriptions, and he was willing, if the Chairman or anyone else in the room could decipher it, to pay 5*l.* to the hospital. If any young girl could be trained to price scripts like that, then she must know something more than could be learned at school and must be a witch. Dr. Barraclough said he would accept the challenge, but he deciphered the patient's name altogether different to the real one. He also read the prescription as being cod-liver oil, but Mr. Pain said that it was really meant for "tussis." Ultimately the Committee decided to join the scheme.

West Bromwich.—One chemist has resigned from the dispensing panel, and one doctor has also given up Insurance work. Chemists have received 90 per cent. of their accounts for the last quarter of 1915.

Yorkshire (East Riding).—At a meeting of the Pharmaceutical Committee on January 13, Mr. Stanser gave an account of the proceedings of the Insurance Committee in regard to the question of "Rep. mist." etc. (*C. & D.*, January 15, p. 44). Commencing February 1 all prescriptions must be written in full. The use of distilled water will be continued, and the extra fee for the half-holiday and Sundays will also apply to every night after 8 o'clock. The abolition of "Rep. mist." was

strongly supported by the insured persons' representatives. As to checking accounts, it was resolved that no steps be taken at present about the Pharmaceutical Society's scheme, but that the matter be considered at a later date when more information is available. Administrative expenses for 1915, amounting to 39*l.* 15*s.* 3*d.*, were presented and approved. It was resolved that expenses for 1916 be applied for.

SCOTLAND.

Ayrshire.—At a meeting of the County Insurance Committee on January 15, the estimated expenditure for Sanatorium Benefit was submitted—viz., 5,695*l.*—and the estimated revenue from the Commissioners 1,300*l.*, leaving a deficit of 4,395*l.* The Sanatorium Benefit Sub-Committee have submitted proposals for a scheme of domiciliary treatment, and the Commissioners are likely to accept. An exhaustive list of medical comforts under the scheme is being prepared which could be supplied without special permission of the Commissioners. An effort is being made to raise the 5*s.* weekly domiciliary allowance to 7*s.* 6*d.* per week. It was stated that all the 1915 panel chemists had agreed to continue for 1916.

Edinburgh.—The new list of chemists issued by the Insurance Commission gives nearly 140 addresses in Edinburgh and Leith where insured persons may have prescriptions dispensed, while six firms are added who will supply prescribed appliances only. The list of doctors is much the same as formerly. Few doctors seem desirous of seeing panel patients on Sundays, and most indicate a week-day when there is no evening hour for consultation. In one or two instances an earlier consulting hour might be prescribed, and 5 to 6 P.M. and 9 to 10 P.M., for example, suggests a rather strenuous life, especially when the same doctor consults at another address from 7 to 8 P.M. The name of one homœopathic doctor is included in the list.

WALES.

Carnarvonshire.—At a meeting of the Insurance Committee on January 15, the result of a consultation with the Panel Committee in regard to "repeat" prescriptions was submitted. The Panel Committee wanted doctors to make their own arrangements with local chemists on the understanding that "repeat" prescriptions be confined to one month. The Committee decided to reject this proposal, and in the course of the discussion it was mentioned that the chemists' complaint was that in many cases the doctors do not observe regulations which have been definitely made. In regard to the pricing of prescriptions by a Central Committee at Cardiff, the Finance Sub-Committee recommended that the scheme be adopted for one year only at an estimated cost of 50*l.*, but it was explained that since the Sub-Committee came to this decision they had met the Welsh Commissioners, who estimated that the cost would probably be 17*s.* 6*d.* per 1,000 scripts, making the total 60*l.* for Carnarvonshire. It was decided to reserve decision on the subject until the meeting of the Welsh Insurance Committees this week.

Merthyr Tydvil.—The Pharmaceutical Committee met at Merthyr on January 12 to consider whether it was to the interest of panel chemists to have the pricing of the prescriptions done by the Merthyr Insurance Committee, or to join the Commissioners' scheme with Cardiff and other Insurance Committees. After discussion it was resolved unanimously to recommend the Committee to have the pricing done locally.

Notes.

MR. HUGH MASON, pharmacist, 83 Broadway, Bexley Heath, explains in a local paper why he refused to accept service under the new Tariff.

MISS D. DYSON, daughter of Mr. W. Dyson, chemist and druggist, Sheffield, has been appointed to the staff of the Prescription-pricing Bureau there.

MISS D. SOMERSET, with Newsholme, Ltd., Sheffield, has been appointed record superintendent for the Sheffield Prescription-pricing Bureau. The chief lady superintendent has been taken over from the Nottingham Checking Department.

MEDICAL BENEFIT REGULATIONS.—The new Regulations made in consequence of the change of Drug Tariff and the abolition of Article 40 in the old Regulations are Statutory Rules and Orders, 1915, No. 1237, and are obtainable from Wyman & Sons, Ltd., and other Government publishers at 1*d.*

MRS. PETER IRVINE, pharmacist, has been appointed superintendent to the Joint Committee for pricing prescriptions in the South Eastern Division, which comprises the Insurance Committees of Middlesex, Kent, Surrey, Croydon, Brighton, East and West Sussex, Hastings, Eastbourne, Canterbury, and the Isle of Wight.

THE 1916 DRUG TARIFF.—We have received from the Insurance Commissioners a copy of the Tariff of Prices for Drugs and Scheduled Appliances as prepared by them for issue to chemists through the Insurance Committees of England and Wales. It consists of (1) explanatory notes; (2) a reference to the table of drug prices, monthly lists of which are to be issued by the Insurance Committees, and are therefore not included in this document; (3) scale of dispensing-fees as given in the *C. & D. Diary*, 1916, p. 213; and (4) a ready reckoner.

A MEDICAL GIBE.—The attempt being made to abolish "Rep. mist." is indirectly due, we believe, to the action of the chemists. We understand that in many areas the chemists have now expressed their willingness to accept prescriptions written "Rep. mist." if the doctors on their part will forgo their right to the setting up of stock mixtures. After the flagrant breach by the chemists of a former agreement arrived at between the London Panel Committee and the representatives of the pharmacists in respect of this very question of "Rep. mist.," the medical profession will be able to place a true value on such specious promises.—*The Medical World*.

HANDBOOK FOR THE USE OF APPROVED SOCIETIES.—The Scottish edition of this handbook, revised to August 1915, has been issued and may be obtained either direct or through any bookseller from the Superintendent, Publications Department, H.M. Stationery Office, 23 Firth Street, Edinburgh, price 1s., by post 1s. 5d. It is exceedingly useful as giving information in regard to the Societies' side of National Insurance in an authoritative and convenient form. There is nothing about the Drug Tariff in it, but concise directions about Medical Benefit. A similar handbook is also published as an English edition at the same price.

MR. P. F. ROWSELL, J.P., addressed a meeting of the Sunday Society at Exeter recently on the working of the Insurance Act, which he described as "a silent victory." A lively discussion followed, in the course of which the medical arrangements under the Act were strongly condemned, it being stated that a doctor who receives 500l. to 900l. a year from public funds, as many do, should be a full-time man. Replying to the various points raised, Mr. Rowsell (who was very heartily thanked for his address, on the motion of the Chairman, Mr. W. Linford Brown) said that he had spoken only of the working of the Act in the county of Devon, not the city of Exeter. In the county it was undoubtedly working very smoothly, and the general standard of health was improved since its introduction.

The "MANCHESTER COURIER" states that "while chemists in most of the large centres of England are in open revolt against the new price for prescriptions fixed by the Insurance Commissioners—in many cases the panels have been depleted by wholesale resignations—Manchester chemists and druggists are standing loyally by the Government in an endeavour to work in conformity with the new conditions. From this it is not to be assumed that the Manchester chemists approve the new Tariff; they do not, and, furthermore, they recognise that many ridiculous situations will arise out of what they consider to be the ill-considered scheme of working the bureaux to be opened for the pricing of prescriptions with staffs of unskilled girls." Our contemporary then gives the gist of an interview with "one of the most prominent Manchester chemists... and a high-placed official in the Association of Chemists," who told the "Courier" man something about how matters stand as regards the revised Tariff and the new system of pricing, expressing doubt about the latter on account of the employment of young girls. "Recently," he said, "I got two prescriptions from a local doctor which I could not possibly read. I sent them up to the Pharmaceutical Society, and they promptly returned them as undecipherable. Under these circumstances how can you expect inexperienced girls to read them? It is intended to appoint one expert at each bureau, but he is in for a busy time, and I cannot see with this lack of knowledge how the girls will price 1,000 prescriptions per day. We anticipate that the Manchester and Salford areas combined will provide 1,000,000 prescriptions annually. We shall have to do the best we can and wait for the end of six months, and hope that at the end of that period we shall be able to convince Mr. Roberts that we cannot 'carry on' with such inefficient labour and the insufficient terms allowed in the new Tariff." The "Courier" added that chemists all over the country are not sure about the practicability of the business. "It is significant of what they think of it as a body when the Pharmaceutical Society have established a department to check the pricing. Revolt-ing chemists feel that the English chemists have very meekly acquiesced in the discounting off their accounts for administrative expenses."

Associations' Winter Session.

Other meetings are reported under Insurance Dispensing Reports.

Bath.—The Secretary of the Bath Pharmaceutical Association (Mr. W. J. Hallett) has issued to the members a card giving notices regarding the method of sending in Insurance prescriptions. There is also a space for entering the time of duty which each member undertakes at the local Military Hospital.

Birkenhead.—A meeting of the Birkenhead, Wallasey, and Wirral Association of Pharmacists was held at Birkenhead on January 13, Mr. T. Stephen Jones in the chair. Mr. Herbert Taylor, King Street, Egremont, was elected a member of the Association. Correspondence from the Proprietary Articles Trade Association was read. It was stated that 35 per cent. of the local chemists are members and that four have been added to the list recently. A letter was read from Ayrton, Saunders & Co., Ltd., suggesting that the prices of patent medicines should be dealt with in a similar manner to photographic goods. The idea was very favourably received except in those cases where the profits are already higher. In a discussion on Insurance dispensing it was suggested that there should be a profit of 5½ per cent. on dressings, and that the Pharmaceutical Committee should check prices. It was considered that "Rep. mist." prescriptions should not be extended beyond the month in which the original prescription was written. The method of rendering accounts was also explained. Afterwards a vote of condolence was passed with the widow of the late Mr. W. G. Weddle.

Essex.—A Committee-meeting of the County of Essex Pharmaceutical Association was held on January 18 at River Plate House, London, E.C. It was decided to lodge a protest against the decision of the Local Associations Executive with regard to trade matters. Great dissatisfaction was expressed in the use of "Rep. mist." under the soldiers' and sailors' dependents' scheme, and strong measures are to be taken to stop the practice. The date of the annual general meeting was fixed for February 8.

Glasgow.—The Glasgow Pharmacy Athletic Club held a highly successful concert at 165 Hill Street on January 11, Mr. John Foster (Honorary President of the Club) in the chair. There was a large attendance of members and friends and the musical programme was of a very high order. The Gorbals Church Choir rendered several part-songs and choruses. The Dewar family provided several instrumental pieces. The soloists were Miss J. Duff, Mrs. Lawson, Mr. Anderson, and Mr. McBeth, and Mr. George Reid gave some of his inimitable readings. Miss Beatson acted with great acceptance as accompanist. The evening's success was chiefly due to Mr. P. M. Duff who arranged the programme. During the evening an interval provided an opportunity for the presentation of the various trophies and prizes won in the Golf Section during the past season. The prizes and winners were: "Virol" Cup, Mr. Jack; "T. & H. Smith" Cup, Mr. J. D. Sutherland; runner-up, Mr. Richard Hogg; "Hattrick" trophy for pairs, Messrs. Christie and McKenzie; monthly medal, Mr. Wm. Thomson; Captain's Prize, Mr. James Anderson; Vice-Captain's Prize, Messrs. Mackay, Halliwell, and Seivwright (a tie). Mr. Foster intimated his intention of presenting an additional trophy for the current season.

Leeds.—At a meeting of the Leeds Chemists' Association on January 12, it was decided to support Mr. Saunders' (Liverpool) suggestion in regard to the profit on proprietary medicines. A resolution to this effect has been sent to the Proprietary Articles Trade Association. The Leeds Association is preparing a scheme of organisation, and every chemist in the district is being canvassed with reference to it.

Liverpool.—A meeting of the Liverpool Chemists' Association was held at the Royal Institution on January 12, Mr. H. Humphreys Jones, F.C.S., in the chair. Four new members were elected—viz., Messrs. W. M. Jones, W. J. Axe, George Bank, and P. D. Page. The President referred to a letter that had been received from the local Appeal Tribunal asking the Association to nominate one of its members to attend the meetings of the Tribunal when the appeals of men connected with the business of chemist and druggist are being considered. The Council had nominated Mr. John Bain for the work. The President referred to the honour bestowed by the King upon Sir R. A. Robinson, who is an honorary member of the Association. He proposed that a congratulatory letter be sent to Sir Richard, which was agreed to. A resolution was next passed affirming the refusal of pharmacists to keep a stock of ready-made mixtures which are bad in principle and utterly opposed to the interests of

all parties concerned, particularly insured persons, and refusing to dispense any such prescriptions tendered. It was also resolved to ask the Pharmaceutical Committee to call a meeting to discuss the stock-mixture problem. Mr. Harold Wyatt, Ph.C., then contributed "Notes on Dispensing," after which Mr. Humphreys Jones delivered his *Valedictory Address*. In this he traced the history of the Association, the origin of which dates from a meeting held in Liverpool on June 4, 1849, when Jacob Bell suggested that the local chemists should form a local Committee for the purpose of fostering the study of botany and allied subjects. Within three weeks the Association had been formed. An introductory lecture was given by D. Waldie, F.C.S., and Mr. Edward Evans showed a sample of fictitious myrrh. Mr. R. Clay was the first President, Mr. Edward Evans Treasurer and Vice-President, and Mr. J. B. Edwards Hon. Secretary. Jacob Bell delivered an address at the first annual meeting, in 1850. The Association induced the Gardens Committee of the Town Council to devote a portion of the Botanic Gardens to the cultivation of medicinal plants, and ever since successive generations of students have benefited from this. The Pharmaceutical Society made a grant of 50*l.* towards fitting up the museum and procuring chemical and materia medica specimens. Among the prize-winners in 1859 was Dyce Duckworth, now Sir Dyce Duckworth, who also read a paper on "Narthex Asafetida." Mr. William Crookes, F.R.S., now Sir William Crookes, O.M., delivered a lecture to the Association in 1865 on the application of intense chemical action to the production of heat and light. Dr. Symes was elected a member in 1866, and this year completes his fifty years' connection with the Association. In reviewing the work of Dr. Symes, the President said that the idea of saccharated carbonate and phosphate of iron originated with Dr. Symes. Mr. T. Fell Abraham and Mr. F. J. Mackinlay were elected at the same time as Dr. Symes. The oldest member is Mr. J. J. Evans, elected in 1860; then come Mr. E. R. Banner, 1861, and Mr. Edward Davies, 1864. Sir Edward Evans became a member in 1867. Many other interesting facts were mentioned in connection with the papers and the members. Dealing with more recent events, the President referred to Mr. Woolcock's charge (*C. & D.*, December 18, 1915, p. 57) that the Liverpool Association has not taken the lead in the last two or three years to the extent it should do in fashioning pharmaceutical policy. The President asserted that he had done everything in his power to further the best interests of pharmacy during the three years he had been in office. Mr. T. S. Wokes proposed a vote of thanks to Mr. Humphreys Jones for his address. He said there was not the slightest foundation for the idea that he had in any way failed in his duties; in fact, he regarded Mr. Jones as one of the best Presidents the Association had ever had. Mr. G. V. C. Last, in seconding, said that Mr. Jones was labouring under a great misapprehension if he thought his services had not been fully appreciated. He assured him that there is no such feeling in Liverpool, and as Secretary of the Pharmaceutical Committee he had received at the hands of Mr. Jones every support. Mr. F. J. Mackinlay supported the vote of thanks, which was carried with acclamation.—For the six vacancies on the Council the following fourteen nominations will go to the ballot on January 26: Messrs. H. Humphreys Jones (retiring President), James McInroy, Edwin Thompson (a member of the City Council), T. H. Corlett, G. A. Redford, A. J. Ferriday, Alex. Lawrence, M. S. Hughes, C. E. Jones, J. Bain, W. F. Laycock, J. L. Hirst, G. Kennedy, and H. Lomax. Mr. R. E. Lloyd, who also was nominated, has withdrawn.

London Co.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, London, W.C., on January 18, Mr. Edmund White (President) in the chair. The Secretary (Mr. G. A. Tocher) read correspondence from (a) J. C. Eno, Ltd.; (b) the Middlesex Pharmaceutical Association, agreeing to co-operate in the proposed Organisation Committee for the Home Counties; and (c) Mr. W. H. Saunders, *re* patent medicine business. Consideration of item (c) was deferred to the next meeting. The report of the Pharmaceutical Insurance Sub-Committee was received and adopted. Arising out of this report the Secretary was instructed to submit a report on the pharmaceutical service at the next meeting of the Executive. The resolution forwarded by the Western Pharmacists' Association relative to the establishment-charge was referred to the Local Associations Executive for their consideration. On the proposition of Mr. Milner, it was decided: (i) To recommend each district Association to appoint a trade Secretary; (ii) to recommend the district Associations to discuss and urge the sale of goods manufactured in Great Britain. Other matters dealt with were connected with organisation.

London (N.).—A fireside social of the North London Pharmacists' Association was held on January 13 by invitation of the Vice-President (Mr. C. W. Matthews) and Mrs. Matthews at Lady Margaret Road, Kentish Town. A paper on *Colour Photography* was read by Mr. Matthews, who, after a brief exposition of the process, exhibited lantern-slides in natural colours. The series consisted of an interesting tour through Hereford and the Wye Valley. Refreshments were served, followed by a musical programme in which the following took part: Mrs. Carter, Mrs. Skinner, Mrs. Payne, the Misses Matthews, D. Matthews, Beaumont, Marshall, and Messrs. Carter, Bowie, Jenkin, and Webster. A vote of thanks was given to the host and hostess. A meeting of the Association was held on January 17 at the pharmacy of Mr. Hepburn, Enfield. A discussion took place on Insurance dispensing and other trade topics. A vote of thanks to Mr. Hepburn closed a very successful meeting.

London (S.E.).—A meeting of the South-East London Pharmacists' Association was held at Maitland House, 134 Greenwich Road, S.E., on January 13, Mr. A. J. Wing (President) in the chair. Subscriptions were invited for the Script Shilling Fund on behalf of the Benevolent Fund and about 30*s.* was collected. The question of face value for patents and proprietaries was discussed, and it was unanimously decided that all articles on the protected list of the Proprietary Articles Trade Association should be sold at advertised face value at a fixed minimum profit. Mr. Sayers (Lewisham) then opened a discussion on *Insurance Dispensing*, in the course of which he emphasised the point that pharmacists should make the best of a bad bargain in the hope that the reward will be better treatment and more adequate remuneration. The discussion turned on the questions of the want of consideration shown by panel patients and of remuneration. The opinion of the meeting was that the remuneration under the present Tariff is inadequate, and some members who have to employ evening men to help in the work agreed that without doubt the profit on dispensing done is not nearly sufficient to pay the wages for the extra help. A short discussion took place on the *Earlier Closing*, and the President said the hours of business had been considerably curtailed in some sections of the south-east area, and he hoped that very soon the improvement would spread throughout the whole Metropolitan area.—A sub-district meeting of the Dulwich and Peckham sections of the above Association was held at the pharmacy of Mr. Marks, Lordship Lane, S.E., on January 13, Mr. Rubbra in the chair. It was unanimously decided to further curtail the hours of business on and after February 7, the closing-time to be as follows: Monday, Tuesday, Wednesday, 9 p.m.; Thursday, 1 p.m.; Friday, 9.30 p.m.; Saturday, 10 p.m. It was also decided to have a card printed stating the new hours with a view to its being exhibited in doctors' waiting-rooms and in pharmacies. A discussion took place in reference to the large sale of American preparations in British pharmacies, and it was unanimously agreed to have cards printed for exhibition in windows worded as follows: "Help to finish the war by asking your pharmacist every time for a British-made article." Also it was agreed to have a handbill printed worded on similar lines. The question of a minimum price-list for non-protected patents and proprietaries was deferred to a subsequent meeting.

Manchester.—A meeting of the Manchester Pharmaceutical Association was held on January 12 at the Association's room, Mr. W. H. Delve (President) in the chair. Mr. James Grier, M.Sc., gave a lantern-lecture, entitled *The Evolution of Flowering-plants*, illustrated with instructive lantern-slides. The lecturer began with the first appearance of land plants in the Devonian rock strata, and traced the coming of the fern plants to their development in the carboniferous period, then with the origin of the gymnosperms in the lost southern continent of Gondwanaland—the age of Cycads; then came the palms and grasses, with the wind-fertilised trees of the amentiferous orders of the dicotyledons. The rapid dominance of the angiosperms, he showed, was greatly owing to the influence of insects in effecting fertilisation, and he showed in the higher flowering-plants the wonderful adaptability of insects and flowering-plants. The evolution of the gamopetalæ, he said, reached its furthest in the natural order *Compositæ*, so that the modest daisy and the despised dandelion really represent the last word in evolution of flowering-plants. At the conclusion, Mr. Delve proposed a vote of thanks to Mr. Grier, which was passed unanimously. A vote of thanks was also given to Mr. Garnet (of Flatters & Garnet) for his services in manipulating the lantern.

Newcastle-upon-Tyne.—A meeting of the Newcastle-upon-Tyne Pharmacists' Association was held on January 12, the President (Mr. H. W. Noble) in the chair. Mr. E.

McMillen, the Northern representative of the Proprietary Articles Trade Association, gave an address on the work, progress, and policy of the P.A.T.A., followed by a discussion.—The Chemists' Division of the St. John Ambulance Brigade has now close on thirty members, and soon will be able to resolve itself into a Voluntary-Aid Detachment. The Division has already done useful work, and great credit is due to Superintendent Morton for the manner in which he has trained the Division. The drill has been varied and interesting—*e.g.*, infantry, stretcher, and Swedish, the last-named being the favourite. There have been evenings set apart for practice in bandaging, and these have been conducted by Sergeant Holt, who has now been transferred to the Chemists' Division, and who has been a great help in his demonstrations of modern methods of bandaging. The Division has now been on parade at four convoys (transportation of wounded), and several members have become attached to air-raid stations. Private S. W. Bowness has reported that the Division's finance is in a sound condition. First-aid classes have once more commenced at the Cambridge Hall, Northumberland Road (Dr. Fraser as lecturer), and any members desirous of joining should communicate with either Superintendent Morton, 22 Ridley Villas, or the Hon. Secretary, Private J. Elder, 21 Wolsingham Road, Gosforth.

Oldham.—A meeting of the Oldham Pharmaceutical Association was held on January 11, when Mr. Newby gave a selection of poetry in Lancashire dialect. The entertainment was given with the object of raising funds for a charitable object, and a collection realised a substantial sum.

Sheffield.—A meeting of the Sheffield Pharmaceutical and Chemical Society was held at the Literary and Philosophical Society's Rooms on January 19. Mr. John Evans, F.I.C., presided. Mr. B. J. Cooper, manager for Messrs. Eardley & Furnival's Broomhill branch, was elected a member. Mr. A. Knowles gave a paper entitled "Some Animal Substances Used in Pharmacy," in which he dealt in a masterly way with organo-therapy and its development from the time of the ancient Egyptians, and extracts were given from Culpeper and Quincey's "English Dispensary." Passing on to the substances used at the present time, he remarked that the old-time belief in the virtues of animal substances had fostered a scientific study of the various organs and their functions, which has led up to the present important position which these substances hold in the treatment of disease. The ductless glands dealt with were thyroid, thymus, suprarenals, and pituitary, and those with ducts—ovarian, mammary, kidney, testicular, typhanic, and prostate. The substances secreted by glands—*e.g.*, pepsin and pancreatin—were included in the lecture. A hearty vote of thanks was accorded Mr. Knowles. Other business which took place at the meeting included a resolution to contribute 5*l.* 5*s.* to the Orphan Fund. The Council referred the suggestion of 10 per cent. fixed profit to wholesalers and 20 per cent. to the retailers which had been put forward by Mr. W. H. Saunders to the general meeting, which agreed to send the matter for the consideration of Mr. W. S. Glyn-Jones, with a recommendation of 25 per cent. to retailers and 5 per cent. to wholesalers. A letter was considered from the Leeds and West Riding Association asking for delegates to consider the affiliation of the West Riding, Leeds, and other towns of Yorkshire. It was agreed to send Messrs. Antcliffe, Appleton, and Furnival to a meeting to be held in Leeds at an early date.

Warwickshire.—The annual meeting of the Warwickshire Pharmaceutical Association was held at Leamington on January 13. Mr. Hutton in the chair. The following officers were elected for 1916: *President*, Mr. Hutton (re-elected); *Vice-President*, Mr. Lester; *Treasurer*, Mr. Winfield; *Hon. Secretary*, Mr. C. Davis. The statement of accounts was approved. The following Hon. Divisional Secretaries were appointed to assist in promoting the work of the Association locally: Mr. Spencer, Stratford-on-Avon; Mr. Lester, Nuneaton; Mr. Winfield, Solihull; Mr. Walker, Sutton Coldfield; Mr. Fleet, Rugby; Mr. Robinson, Coventry. The Secretary then explained the proposed system of pricing bureaux to be set up in different parts of the country, and informed the Association that the Warwickshire Insurance Committee had not yet decided on their course of action, there being a possibility that similar arrangements to those which had been so successful in 1915 might be continued. The arrangements for checking were also discussed, and the Secretary was instructed to obtain the views of other Committees on this matter. The establishment-charge was then discussed, but none of the members present were able to supply the figures necessary to prove the inadequacy of the sum of 0.8*d.*

Trading with the Enemy.

BEFORE Mr. Justice Darling, at the Central Criminal Court on Thursday, January 20, Edward Iterson Pronk (57) and Alfred Edward Davis (53), trading as Davis & Co., chemical-manufacturers, Haydon Street, Minories, pleaded guilty to three counts of an indictment charging them with unlawfully trading with the enemy in contravention of the Trading with the Enemy Act. Mr. Hewart, K.C., and Mr. Curtis Bennett appeared for the defence.

Mr. Travers Humphreys, for the prosecution, stated that the defendant Pronk was a Dutch subject, who had lived many years in this country; Davis was a British subject. They dealt largely in chemicals which were imported from Germany. On June 7, 1915, owing to matters which came to their knowledge, an arrangement was made with a firm of accountants to inspect the firm's books, and as the result of their investigations the present proceedings were instituted. Until these facts came to light, Mr. Humphreys said, the firm had the highest reputation in the chemical-trade for respectability and substance. The case for the prosecution rested entirely on documentary evidence, which came to light in consequence of the investigation of the firm's books by the Board of Trade. In September 1914 the defendants ordered a quantity of permanganate of potash and vanillin from a firm in Rotterdam, and asked them to make a declaration that the goods had been ordered for Germany and paid for before the declaration of war. The Rotterdam firm refused to do this, and by the instructions of the defendants the permanganate of potash was shipped to them, all marks, at their request, having been removed from the cases. In the case of the vanillin the defendants, having given an order, applied for a licence from the Board of Trade to import the goods, and though the licence was refused, Mr. Humphreys said, the defendants had written to the Dutch firm that they had the licence, and the article was exported. So far from the vanillin having been ordered before the war, it was found that it had come practically direct from Germany. This consignment was stopped by the Customs, and was still at the docks. Mr. Humphreys also mentioned an order for 10 tons of soluble vandyke brown, for which a licence was refused, and the vandyke brown remained in Holland. Counsel dealt with the correspondence of the firm, which, he said, showed an utter indifference and disregard of the objects for which the Trading with the Enemy Act was passed. He asked that the goods stopped by the Customs should be forfeited.

Mr. Gordon Hewart, addressing the Court in mitigation of punishment, said that the defendants had been carrying on business for forty years. At the outbreak of the war they stopped all trading with German customers. As to the permanganate of potash, Mr. Davis was in Holland, and understood that it had been ordered by a Dutch firm and paid for before the war. The order for the chemical was given within a few weeks of the outbreak of hostilities. The whole of the evidence against the defendants, said counsel, was based on the examination of their own books, and out of 200 transactions investigated only these three were impeached. He asked the Court not to place the worst construction upon the transactions. Davis had three sons fighting for this country—two in the Army and one in the Navy.

Mr. Justice Darling said it was clear that in regard to the last transaction the defendants must have known that they were breaking the law, and they had acted most disingenuously with the Board of Trade, with the result that 240*l.* had found its way to Germany. He fined the defendants 200*l.* and ordered them to pay the costs of the prosecution, the goods in the hands of the Customs to be forfeited.

METOL photographic developer is a salt of methyl-*p*-amido-phenol, generally the sulphate, the name being public property. The "British Journal of Photography" calls attention to a substance being sold as metol-substitute, which consists of hydroquinone with a small proportion of metol.

MR. E. F. CROWE, Commercial Attaché to H.M. Embassy at Tokio, in a report of 100 pages on the trade of Japan during 1914, states that Japanese chemical-factories are now turning out chemicals (mostly technical) of very fair quality and in considerable quantities—*e.g.*, zinc oxide, zinc chloride, precipitated chalk, magnesium carbonate, acetic acid, bismuth salts, etc. Mr. Crowe says that these home-made chemicals not only supply the domestic demand, but are to some extent being exported to India and other Oriental countries, acetic acid in particular having been shipped in large quantities to rubber districts.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., January 20, 6.30 p.m.

THE expansion in business does not seem to be making that progress which was anticipated, and at the moment both home and export trading is quiet, the high prices asked having a restrictive influence on purchases. Among synthetic products acetanilide is rather firmer. Cocaine is scarce and dearer, but this is regarded as temporarily only. Hexamine is easier and fairly plentiful. Acetylsalicylic acid is steady and in fair demand; santonin is the turn easier and in better supply. Quinine is steady; the demand for sodium bromide has revived. Acetic acid remains extremely scarce and dear. Ammon. carbonate is 1*d.* higher; the demand for Japanese refined camphor continues good at firm prices; hyposulphite of soda is plentiful and rather cheaper. British refined saltpetre has been advanced a further 2*s.* Rio ipecacuanha is rather lower; honey is in good demand. Star-anise oil is firmer on spot; lemon is very flat and American peppermint the turn easier. The chief changes are as under:

Higher	Firmer	Easier	Lower
Ammon. carb.	Acetanilide	Ammonia	Cloves
Cocaine	Citric acid	sulphate	Cocoa-butter
Coconut oil	Ginger	Ergot	Ferri ammon.
Glucose	(Africa)	Hexamine	citras.
Linseed	Lycopodium	Peppermint	Ipecacuanha
Mustard seed	Milk-sugar	oil (Amer.)	Sodium citras.
Palm oil		Peppers	Turpentine
Saltpetre		Santonin	
Starches		Soda	
		hyposulph.	

Cablegram.

NEW YORK, January 19.—Business in drugs is brisk. Menthol is lower at \$3.15 per lb. Buckthorn-bark has advanced to 75*c.*, and burdock-root is firmer at 19*c.* Copaiba balsam is dearer at 50*c.* Stramonium-leaves are cheaper at 20*c.*; gentian is dearer at 20*c.*, and oil of sweet birch has been reduced to \$3.25 per lb.

ACETANILIDE is rather firmer at from 7*s.* to 7*s.* 3*d.* per lb.

ACETIC ACID.—A London agent writes: "Since last reporting on the general position the outlook has become even darker. The most sinister factor affecting export facilities from America is the great domestic demand, and the shortage of acetate of lime for making acetic acid is most acute. As the lime supply for acetic purposes constantly decreases to admit of an overflow of acetone on which European Governments place no limits of volume or price, the production of acetic acids of all grades diminished daily, and the inevitable rushing up of values ensue. It does not matter in the least what the cost of lime is—the trouble is its insufficiency, and consequently the acid that is produced is precious out of all proportion to the value of its basic lime. The feeling in New York is that within the next few months makers' price of all grades will be quite 100 per cent. more than they are to-day. According to cable advice just received prices have again advanced by 10 per cent., and a similar further increase appears imminent." Glacial on the spot is offered at from 150*l.* to 160*l.* per ton in carboys, according to seller.

ACETYL-SALICYLIC ACID is in fairly active demand, with English makers offering at about 48*s.* to 48*s.* 6*d.* per lb.

ALCOHOL.—We observe that the quantity of home-made spirits remaining in bonded warehouses on the last day

of December 1915 was 141,753,000 proof gallons, compared with 147,388,000 proof gallons on the corresponding date of 1914, so that the rumours in regard to early exhaustion of stocks which have reached us from the North lately are scarcely justifiable. We also notice from the Board of Trade returns that during 1915 the quantity delivered for methylation or use in arts and manufactures was 127,083 gallons, against 85,336 gallons in 1914 and 59,826 gallons in 1913.

AMMONIA SULPHATE.—London is easier at 17*l.* per ton net, naked, at works, for 25-per-cent. ammonia for prompt delivery; Hull, prompt, 24-per-cent. is 17*l.* 10*s.*; Liverpool is 17*l.* 15*s.*; and Leith is 17*l.* 17*s.* 6*d.* per ton in bags f.o.b., less 3½ per cent.

AMMON. CARB. has been advanced by 1*d.* per lb. to 6*d.* net for lump in casks, and to 6½*d.* net for powdered.

ANISE OIL, STAR.—The cheap parcels offering last week have been disposed of and holders are now asking 3*s.* 4*d.* per lb. on the spot for "Red Ship." Arrival prices are of no interest at the moment, being higher than spot.

ANISEED is quiet, but steady, at 46*s.* per cwt. for good Spanish.

BROMIDES.—The demand for sodium is reviving on account of the wide difference in price between that and potassium, the former being offered at 18*s.* and the latter at 25*s.* to 25*s.* 6*d.* per lb.

CAMPHOR (REFINED).—The demand continues good, the sales including Japanese 2½-lb. slabs for December-January shipment at 1*s.* 8*d.*, January-February 1*s.* 7½*d.*, February-March at 1*s.* 7½*d.*, and April-May shipment at 1*s.* 7*d.* to 1*s.* 6½*d.*, all c.i.f. The spot value of slabs is 1*s.* 8½*d.*; 1-oz. tablets, 1*s.* 10½*d.*; ½-oz., and ¼-oz. 2*s.* per lb.; the sales include ¼-oz. for April-May at 1*s.* 8*d.* c.i.f.

CANARY-SEED is nominally unchanged at 32*s.* to 34*s.* per quarter for fair to good Morocco, but the demand is slow.

CARAWAY-SEED is quoted 57*s.* to 60*s.* per cwt. for ordinary to good Dutch on the spot.

CASCARA SAGRADA is offered on the spot at from 54*s.* to 55*s.* per cwt. for one or two year old. Freight from the Pacific Coast continue to advance, and extremely high rates are quoted.

CASSIA LIGNEA.—Sellers of selected quote 60*s.* spot and 51*s.* 6*d.* for January-February shipment.

CASSIA OIL.—Sellers of 80 to 85 per cent. c.a. quote 3*s.* 9*d.* per lb. c.i.f., and 4*s.* 3*d.* on the spot.

CASTOR OIL.—Good seconds Calcutta remains very firm in Liverpool at 9*d.* per lb. for parcels due shortly. London quotes 9*d.* to 9½*d.* c.i.f. We notice the arrival of 1,100 cases, per *Engineer*, from Calcutta to Liverpool.

CINCHONA.—At the London auction on Tuesday 214 bales Calisaya offered, of which twenty sold at 10½*d.* per lb. for fair, part broken quill. Of 96 packages East Indian, 15 cases sold at 8½*d.* for good mossy Sucubra quill.

CITRIC ACID.—Export orders have advanced prices to 2*s.* 3*d.* to 2*s.* 9*d.* per lb., being firmer.

CITRONELLA OIL.—Ceylon in drums on the spot is offered at 1*s.* 7*d.* per lb.; to arrive February-March is quoted 1*s.* 5*d.*, and March-April at 1*s.* 5½*d.* per lb. c.i.f.

CLOVES are lower, with sales of Zanzibar on the spot at 7*d.* per lb.; to arrive, sellers of January-March quote 6½*d.* c.i.f.

COCAINE.—The fact that American makers had practically withdrawn their offers has led to a temporary buying spurt, but whether this advance will be maintained is doubtful, as there is no shortage of raw material, and although a few large orders have been placed for export, Continental sellers will again be in the market shortly. Business has been done in hydrochloride at varying prices, the closing values being 18*s.* to 19*s.* net. In connection with the importation of cocaine, attention should be drawn to the note printed on page 34 of last week's *C. & D.*

COD-LIVER OIL.—Our Bergen correspondent writes on January 10 that no actual quotation is current for prime non-congealing oil, the previous price of 335*s.* c.i.f. being quite nominal. No reports have yet been received in London as regards the prospects for the new Lofoten fishing, which usually opens at the end of January, and no tentative prices have been named. It is evident that the fishing will be dislocated this year. Cod fishing at its best is but a precarious and hard living for Norwegian fishermen, many of the younger men of whom are now earning much higher wages as ordinary seamen as a result of the enormous demand for cargo-carrying vessels, Norwegian craft of almost any description being pressed into the service.

CORIANDER-SEED sells slowly at 17*s.* 6*d.* to 19*s.* per cwt. for common to good Morocco.

CUMIN-SEED is quiet at 92s. 6d. per cwt. for good sifted Morocco, and at 85s. to 89s. for common to fair average quality.

ERGOT continues on the easier side, Russian offering at 2s. 4d., and Spanish at about the same price on the spot.

EUCALYPTUS OIL remains firm at from 2s. to 2s. 1d. per lb. on the spot.

FENNEL-SEED is quoted 28s. 6d. per cwt. for ordinary quality.

FENUGREEK-SEED is slow of sale, but unchanged at 12s. per cwt. for good Morocco on the spot.

FERRI AMMON. CIT. has been reduced to 3s. 3d. to 3s. 4d. per lb., the lower figure for 28-lb. lots.

FORMALDEHYDE is offered at from 57s. 6d. to 60s. per cwt. ex wharf various ports for 40 per cent. by volume. A London agent reports that "it is difficult to account for the present depression of values on this market. Prices ruling for spot parcels are only just parity of makers' quotations for forward delivery, leaving neither profit nor any margin for risk through leakage or variation in freight, insurance, and exchange rates. This is the more surprising as there appear to be no second-hand parcels available in New York, whilst makers have disposed of their production for several months ahead. We can only advise buyers to take advantage of the existing somewhat unnatural position by covering their requirements at current rates which are not likely to be maintained long."

GENTIAN.—Some arrivals have taken place; spot sellers of whole ask 60s. to 62s. 6d. per cwt.

GINGER.—Sierra Leone is firmer, and a good business has been done in Liverpool at 30s. to 34s. on the spot. In London common to good common Jamaica is quoted at from 67s. 6d. to 70s., medium to good 75s. to 80s.; Cochin 38s. 6d., all spot.

GLUCOSE is scarce and dearer at 21s. 9d. per cwt. for the usual brands of liquid; solid is quoted at from 21s. 9d. to 22s. 6d., ex wharf London. Starches are also dearer at 17s. 3d. for powdered and 16s. 9d. for pearl powdered, spot London.

HEXAMINE is quiet and easier at from 4s. 6d. to 5s. per lb.

HONEY.—The sales include several hundred kegs Chilean at 29s. to 30s. per cwt. c.i.f. to arrive, and in Liverpool 500 packages have been sold from store at full prices.

HYDROQUINONE.—Business has been done at 40s. per lb. and further sellers.

IPECACUANHA.—The demand has fallen off lately, and asking prices are easier at from 21s. to 22s. for Matto Grosso.

LEMON OIL remains quiet, prices to arrive varying from 3s. 9d. to 4s. 3d. per lb. c.i.f., the spot value being about 3s. 9d. per lb.

LIME OIL.—The cheap parcels of West Indian distilled have been cleared, and the general first-hand quotation is now 6s. 6d.; hand pressed is 7s. 6d.

LINSEED is dearer at 87s. 6d. to 89s. per quarter for good quality.

LIQUORICE-ROOT.—Decorticated sticks continue very scarce, the value being about 80s.; common natural is offered at from 35s. and upwards.

LYCOPodium is rather firmer at about 6s. 6d. per lb.

MANDARIN OIL of new crop is offered at 27s. per lb. for genuine.

MENTHOL.—Quiet at from 12s. 3d. to 12s. 6d. per lb. on the spot for Suzuki and Kobayashi brands. To arrive, sales have been made at 12s. 3d. c.i.f., and dementholised mint oil at 4s. c.i.f.

METHYL SALICYLATE.—Quiet, at from 16s. 6d. to 17s. per lb. spot; genuine oil of sweet birch (*Betula lentic*) is offered at 17s. 6d.

MILK-SUGAR is a shade firmer, sellers asking 75s. per cwt. for finest white powdered on the spot. The floods in Holland, which cover a rich agricultural district, may have the effect of improving prices.

MUSTARD-SEED is dearer, 54s. per cwt. being required for good English.

OILS (FIXED).—Linseed is quiet and unchanged at 44s. in pipes and 45s. in barrels on the spot; January is 44s. 6d. Cottonseed is firm at 45s. 9d. for crude in pipes on spot, 51s. for refined in pipes, and at from 52s. to 53s. for sweet refined in barrels. Ceylon Coconut is 3s. dearer at 58s. for pipes and 60s. in hogsheds, both on spot; Cochin is 2s. higher at 60s. to 62s. on spot, and London pressed is 3s. 6d. higher at 53s. 6d. Ordinary brown crude Rape oil is scarce and nominal at 52s.; British refined in barrels is 54s. to 56s.; Japan in cases is 48s. 6d. c.i.f. afloat. Soya

oil is still 40s. for Manchurian in cases in London. Hull (spot) extracted is 2s. dearer at 42s. 6d.; Lagos Palm on the spot has advanced 2s. to 51s., and in Liverpool 45s. 9d. is quoted for February-March.

OPIMUM remains firm at from 33s. to 36s. per lb. for Turkey, according to test, and Persian (10-per-cent.) has been sold at 25s. 6d. on the spot.

ORANGE-PEEL.—Subsequent to the auctions, sales of fair strip were made at 1s. 6d. per lb.

PEPPER is dull with prices easier. Fair black Singapore on the spot is quoted at 6½d., Tellicherry 7½d., and Lampong 6½d. Singapore white is 9½d. spot for fair, Muntok 10½d., and Penang 8½d. per lb.; sellers of Singapore quote January-February at 9½d. c.i.f. and Muntok in the same position has been sold at 9½d. c.i.f.

PEPPERMINT OIL.—American is slightly easier, good brands of Wayne County offering at 8s. 9d. to 9s. net, and H.G.H. at 14s. London terms.

PHENAZONE is only obtainable in small lots at about 72s. per lb.

PHENACETIN is likely to be more plentiful later in the month, as consignments are on the way from the Continent.

PILOCARPINE.—Hydrochlor. continues in fair demand, and is firm at 17s. per oz; nitrate is little inquired for.

POTASH CITRATE is unchanged at 4s. 11d. per lb.

POTASH IODIDE of American make is offered at 14s. 9d. per lb.

POTASH PERMANGANATE.—A consignment is on the way from one of the Colonies; the present high prices obtainable are likely to attract stocks lying at overseas ports.

POTASHES.—First sorts Montreal offer at 147s. 6d. per cwt. on the spot.

PYRAMIDON.—The value is about 92s. 6d. per lb.

QUININE.—In the absence of any speculative demand, market is quiet at from 3s. 5d. to 3s. 6d. per oz. from second-hands. There are, however, some large export inquiries in the market, and, in view of this fact, there is no reason to anticipate any weakening tendency. Export permits are being granted on a fairly generous scale.

RESORCIN.—Supplies are difficult to obtain from the U.S.A.; spot values are from 72s. 6d. to 75s. per lb.

SALICYLATES.—Salicylic acid is in good demand, and for powder of American make 21s. to 22s. per lb. are about the values for limited quantities, and for sodium salicylate practically the same values apply.

SALOL is offered at 46s. per lb.

SALTPETRE.—British refined has been advanced a further 2s. per cwt. to 54s. for 1-cwt. kegs.

SANTONIN is offered at the easier rate of 150s. per lb.

SENNA.—Since the auctions there has been a fair demand for Tinnevely pods, holders of which ask 6d. to 7d. per lb.

SHELLAC is dull, with small spot sales on the basis of 80s. for fair TN Orange, good 81s., the value of fine Orange being from 92s. 6d. to 95s., AC Garnet 76s., and GAL 72s. 6d. per cwt. Futures are inactive.

SODA HYPOSULPHITE is easier at 16l. 10s. per ton ex wharf for pea crystals.

SODIUM CITRATE has been reduced to 3s. 3d. to 3s. 4d. per lb., the lower figure being for 28-lb. lots.

TAMARINDS.—Fair West Indian are quoted at 16s. per cwt. in bond.

TRAGACANTH.—Sellers of fine white flake quote from 50l. to 60l. per cwt. as to holder.

TURPENTINE OIL has declined about 1s. 6d. per cwt. on balance, closing at 53s. for American on spot.

VANILLIN.—The value is about 43s. 6d. per lb. on the spot.

WAX (JAPANESE).—Owing to scarcity spot price of good slabs remains dear at about 60s., and to arrive 53s. 6d. to 54s. c.i.f. is quoted.

Arrivals of Chemicals, Drugs, etc.

During the period January 5 to 18, inclusive, the following produce has arrived at the English ports stated. Goods in transit are not included. The figures denote packages where not specifically described:

To London.		
Albumen (A'dria) cs. 17,		
Acetanilide (N.Y.) brls. 22	(S'ghai) cks. 56, (M'sell'es)	
Acetic acid (N.Y.) brls. 162,	cs. 11	
(R'dam) cks. 26, cbs. 3		
Acetone (Philadel.) dms. 974		
Acetone oil (Philadel.) dms. 40		
Acid crystals (N.Y.) brls. 22		
Ajowan-seed (C'utta) 20		
	Alcohol, wood (N. News) dms. 46	
	Ammon. phosph. (Boston) brls. 136	
	Aniline dyes (S'ghai) cs. 100	

- Anise oil, star (H.-Kong) cs. 150
 Annatto (Ceylon) 5
 Antimony, Chinese (Sabang) cs. 400
 Antimony ore (Sydney) bgs. 1,253, (Chile) bgs. 6,127, (Natal) 67
 Antiplogostin (N.Y.) cs. 1,015
 Apricot-kern. (S'ghai) bgs. 2,856
 Araroba (Bahia) cs. 20
 Argol (Alicante) sks. 288, (B'lonia) cks. 194, (C. Town) 104
 Arrowroot (W.I.) brls. 66
 Arsenic (M'bourne) cks. 25
 Barytes (Philadel.) brls. 372, (N. News) brls. 172, (B'lonia) bgs. 400, (T'gonia) 100, (Genoa) 158
 Benzoin (S'pore) cs. 37
 Boric acid (L'horn) brls. 150, (N.Y.) brls. 211, kgs. 310
 Bromides (Boston) cs. 303
 Calcium acetate (U.S.A.) bgs. 348
 Calcium borate (Chile) bgs. 13,400
 Calcium carbide (Odda) dms. 4,000
 Calcium tartrate (Alicante) brls. 114
 Canary-seed (Cadiz) bgs. 1,100, (Malaga) 100, (Morocco) 212
 Capsicum (B'bay) 30
 Caraway-seed (Amst.) 120
 Cardamoms (Colombo) 186
 Casearia sag. (Frisco) bls. 139
 Casein (B'bay) bgs. 315, (Sydney) 160, (Havre) 100, (Paris) bgs. 623, (B. Ayres) cs. 401
 Cashew-nuts (B'bay) cs. 550, bgs. 110, (Calicut) 75
 Cassia (H.-Kong) cs. 2,250, (A'dria) cs. 347, (M'seilles) cs. 50
 Cassia oil (H.-Kong) cs. 20
 Chaunmoogra oil (C'utta) cs. 10
 Chemicals, medicines, perfumery, etc. (N.Y.) pkgs. 1,712, (Dieppe) cs. 28, (Philadel.) cs. 38, (Paris) pkgs. 34, (Amst.) pkgs. 53
 Chillies (B'bay) bds. 60
 Cinnamon (Ceylon) bds. 645
 Cinnamon oil (Ceylon) pkgs. 16
 Citric acid (Palermo) cks. 48
 Citronella oil (Java) dms. 4
 Cloves (B'bay) 1,000, (Penang) cs. 29
 Cocaine (L. Palmas, etc.) bgs. 115
 Cocoa-butter (Amst.) bgs. 646
 Coconut oil (R'dam) cks. 60, (S'pore) pps. 47, pns. 9 (Cochin) pps. 115
 Copra (Sydney) sks. 44,406, tons 286, (Auckland) sks. 3,547, bgs. 376, (Cebu) tons 2,000 (P. Said) bgs. 615, (Cochin) 3,510, (Colombo) 274, (A'dria) 430, (P. Swet.) 1,523, (Penang) 837
 Coriander (Morocco) bgs. 1,173
 Cream of tartar (B'daux) cks. 80, (M'seilles) cks. 44
 Cyanamide (Odda) bgs. 5,600
 Damar oil (S'pore) dms. 7
 Dental cream (N.Y.) cs. 1,172
 Dextrin (Boston) bgs. 300, (R'dam) 100
 Dragon's-blood (Penang) cs. 17
 Drugs (Dieppe) cs. 50, (Boston) pkgs. 186, (M'bourne) dms. 30, (St. John's, N.B.) brls. 13; medicines (R'dam) pkgs. 15
 Egg-yolk (A'dria) pkgs. 243, (S'ghai) cs. 119; and albumen (S'ghai) pkgs. 1,944
 Epsom salt (M'bourne) kgs. 20
 Ergot (Lisbon) bgs. 10
 Essential oils (N.Y.) cs. 76, dm. 1, pkgs. 71, (Amst.) pkgs. 8, (Malaga) dms. 12, (Alicante) pkgs. 8, (Java) dms. 6
 Eucalypt. oil (Sydney) cs. 20, (M'bourne) 192
 Farina (Amst.) bgs. 400, (N.Y.) 275
 Fenugreek (Morocco) bgs. 350
 Fig syrup (Philadel.) cs. 6,900
 Formaldehyde (N.Y.) brls. 43
 Fusel oil (Sydney) hds. 11
 Galls (S'ghai) cs. 50
 Gelatin (M'seilles) bls. 40, (Paris) bls. 93
 Gentian (B'daux) bls. 34, (M'seilles) bls. 192
 Ginger (B'bay) 138
 Glucose (N.Y.) brls. 2,159
 Glycerin (Newcastle, N.S.W.) dms. 60, (Amst.) dms. 278, (R'dam) dms. 29
 Gum acacia (B'bay) bgs. 441
 Gum copal (S'pore) pkgs. 130, bkts. 692
 Gum damar (Java) cs. 37, (Sabang) cs. 224, (S'pore) bgs. 263, cs. 63
 Gum kauri (Auckland) pkgs. 983
 Gums, undescribed (Lisbon) pkgs. 102, (B'daux) sks. 20, bgs. 109, (Morocco) 5, (M'seilles) cs. 25
 Gum, yacca (Adelaide) bgs. 773
 Hexamine (N.Y.) kgs. 5
 Honey (Frisco) cs. 1,257, (Jamaica) cks. 173; $\frac{1}{2}$ -cks. 48, (Auckland) cs. 40
 Hydrogen perox. (N.Y.) cs. 300
 Insect-pow. (Kobe) cs. 10
 Ipeacuanha (P. Swettenham) pkgs. 30
 Indigo (N.Y.) bls. 3, (C'utta) cs. 62, (Madras) 354, (Colon) serons 71, (M'seilles) chts. 550, cs. 7
 Kola (Halifax) 26, (Jamaica) 12
 Lemon oil (Palermo) cs. 13
 Lime-juice (Halifax) pns. 15, (Jamaica) pns. 15, (Trinidad, etc.) pps. 83, pns. 19, hds. 42, cks. 74, cs. 6
 Linseed (B. Ayres) bgs. 2,345, (B'bay) 5,876, (C'utta) 18,438
 Liquorice-juice (Naples) cs. 321, (M'seilles) 85
 Liquorice-root (Malaga) 10, (Barcelona) 113
 Listerine (N.Y.) cs. 800
 Lithopone (R'dam) pkgs. 710, (Boston) 166
 Logwood-chips (A'dria) bgs. 275
 Magnesia (Philadel.) bgs. 552
 Manna (Palermo) cs. 7
 Menthol (M'seilles) cs. 7
 Milk-powder (N.Y.) cs. 672
 Milk-sugar (Amst.) cs. 100
 Mineral waters (Treport) cs. 1,227
 Nutmegs (S'pore) cs. 50
 Nux vomica (Madras) 360
 Oils, seed, peanut (Kobe) cs. 2,051, (S'ghai) cks. 300, (B'daux) 100, rape-seed (Kobe) cs. 5,750, (S'ghai) cks. 1,083; seed oil (S'ghai) cks. 447; soya bean (Vladivostok) cs. 2,133, (Japan) cs. 1,500
 Oils (various), fish (Japan) cs. 2,575; herring cs. 1,000, brls. 200; shark brls. 100, cs. 500
 Oilbanum (B'bay) cs. 25
 Olive oil (Malaga) brls. 261, (Naples) cks. 3, cs. 27, (B'daux) cs. 50, (Seville) cs. 380
 Opium (B'bay) cs. 100, (Naples) cs. 33
 Orange oil (Jamaica) cs. 29
 Palma rosa oil (B'bay) pots 6
 Papain (Colombo) 15
 Paprika (Alicante) bxs. 16
 Pepper (S'pore) bgs. 2,733
 Perfumery (Paris) cs. 32, (Bomlogne) cs. 200
 Petitgrain oil (B. Ayres) cs. 6
 Pimento (Halifax) bgs. 1,372, (Jamaica) 6,109
 Quinine (Amst.) cs. 115
 Petrolatum (B'more) brls. 192
 Petroleum emul. (Boston) pkgs. 5,264
 Potash iodide (Japan) cs. 5
 Rhubarb (S'ghai) cs. 100
 Roots, barks, herbs, etc. (N.Y.) pkgs. 239, (M'seilles) bls. 27; leaves (M'seilles) pkgs. 175; herbs, leaves, etc., pkgs. 58, bls. 56
 Rosin (B'daux) cks. 1,050
 Saffron (Valencia) cs. 1
 Salicylic acid (N.Y.) brls. 29
 Salt-petre (C'utta) bgs. 4,595
 Sarsaparilla (N.Y.) bls. 45, (Colon) 13
 Seedlac (Karachi) 87, (C'utta) 65
 Seeds: Cotton (A'dria) tons 1,597; sesame (S'ghai) bgs. 9,800
 Shellac (C'utta) cs. 2,103; button, cs. 236, bgs. 18; garnet, cs. 350
 Soda benzoate (Treport) cks. 5
 Soda hyposulph. (N.Y.) kgs. 893, brls. 300, (Philadel.) kgs. 650
 Soda perbor. (Rouen) cks. 7
 Soda sulphite (N.Y.) brls. 27
 Sodium metal (Norway) cs. 35, (Genoa) cs. 300
 Soy (H.-Kong) cks. 200
 Squill (Malta) bgs. 71
 Tamarinds (C'utta) cks. 150
 Tartar (B'lonia) pkgs. 38, (Naples) brls. 40, (M'seilles) cks. 72
 Tartaric acid (Genoa) brls. 44, (Naples) brls. 176
 Turmeric (B'bay) bgs. 74
 Turpentine (B'daux) cks. 300
 Valonia (Greece) bgs. 1,960
 Vanilla (Frisco) cs. 20, (Auckland) cs. 36
 Vanillin (N.Y.) cs. 2
 Vine-lees (B'daux) bgs. 60
 Witch-hazel ext. (N.Y.) brls. 20
 Wood oil (S'ghai) cks. 58, (H.-Kong) dms. 67, (A'dria) brls. 110
 Wax, bees' (Havre) bgs. 15, (Morocco) pkgs. 245, (M'seilles) 105, (Lisbon) pkgs. 81, (A'dria) bgs. 80, (C'utta) 14, (Bombay) cs. 40, (H.-Kong) bgs. 22, (Santos) pkgs. 27, (S'ghai) cs. 41, (R'dam) 33
 Zinc oxide (R'dam) 600
 To Liverpool.
 Albumen (S'ghai) cs. 159
 Ammon. anhyd. (B'more) cysls. 295, (Boston) 24
 Aniline dyes (B'bay) cs. 112
 Antimony ore (Chile) bgs. 6,864
 Bismuth ore (Chile) bgs. 513
 Borax (Havre) pkgs. 58
 Calcium acet. (Boston) 4,836
 Calcium borate (Mollendo) bgs. 3,895, (Chile) 5,895
 Camphor (Kobe) cs. 25
 Cinchona (Mollendo) bls. 168
 Citronella oil (S'pore) dms. 49
 Cichinal (L. Palmas) 171
 Coconut oil (S'pore) brls. 325, cks. 289, (Colombo) pkgs. 1,900
 Copper sulph. (N.Y.) brls. 360
 Copra (S'pore) 4,788
 Cream of tartar (M'seilles) cks. 8, (B'daux) cks. 230
 Drugs (Havre) cs. 210, (N.Y.) cs. 32, pkgs. 175, (St. Johns) cs. 22, (Boston) cs. 242
 Dyes (S'pore) pkgs. 41
 Essential oils (M'seilles) cs. 14, (Sicily) cs. 15
 Fenugreek (St. Nazaire) 337
 Glycerin (M'seilles) dms. 940, (Havre) cks. 20
 Gum copal (S'pore) cs. 162, (M'neassar) bkts. 825
 Honey (N.Y.) cs. 50, (W.I.) brls. 17
 Indigo (Samarang) cs. 17
 Iodine (Tocopilla, etc.) brls. 157 kgs. 703, (Iquique) kgs. 205, (Colon) kgs. 191
 Ipeacuanha (Bahia) 2
 Jaborandi (Parahyba) bls. 50
 Liquorice-juice (M'seilles) cs. 35, (N.Y.) cs. 140, (Naples) cs. 127
 Lithopone (N.Y.) brls. 630
 Lysol (Havre) cs. 100
 Magnesite (Limni) tons 7,115
 Manna (Palermo) cs. 23
 Milk-powder (N.Y.) dms. 156, cs. 168
 Olive oil (Genoa) cs. 525, (Havre) cs. 16, (M'seilles) cs. 1,321, (Seville) brls. 1,004, (B'daux) cs. 39, (Leghorn) bxs. 50
 Orchella-weed (Ceylon) 181, (Lisbon) 204
 Palm-kernels (W.C. Africa) tons 693, bgs. 69,756, (Lisbon) 3,001
 Palm oil (W.C. Africa) cks. 4,395
 Pepper (S'pore) bgs. 200, (W.C. Africa) 260
 Peptone (N.Y.) erts. 10
 Perfumery (Havre) pkgs. 99
 Quebracho ext. (B. Ayres) bgs. 20,110
 Quillaia (Chile) 35
 Roots, barks, etc. (M'seilles) bls. 127, (S'pore) bls. 37; medical roots (Parahyba) bgs. 148
 Sage-leaves (M'seilles) bls. 20
 Soda nitrate (Chile) bgs. 5,631, tons 500
 Soda sulph. (N.Y.) dms. 35
 Sulphur (Sicily) bgs. 3,927, (Genoa) 812
 Tartaric acid (M'seilles) cks. 52, (Naples) brls. 48, (Genoa) brls. 17
 Wax, bees' (A'dria) 25, (S'ghai) cs. 40, (Rio) bgs. 137, (Santos) 11
 Wax, carnauba (Ceara, etc.) 1,263
 To Manchester.
 Acetic acid (N.Y.) brls. 275
 Cream of tartar (Palermo) cks. 42
 Dextrin (U.S.A.) bgs. 1,449
 Farina (R'dam) bgs. 4,645
 Formaldehyde (N.Y.) brls. 70
 Lactic acid (N.Y.) brls. 22
 Lithopone (R'dam) cks. 40
 Peptone (N.Y.) pkgs. 10
 Soda bisulph. (N.Y.) brls. 25
 Tannic acid (N.Y.) brls. 22
 Tartaric acid (Naples) brls. 24
 Zinc oxide (R'dam) cks. 25
 To Hull.
 Acetic acid (R'dam) blns. 10
 Boric acid (N.Y.) brls. 220, kgs. 60
 Castor oil (A'dria) brls. 63
 Castor-seed (B'bay) bgs. 24,951
 Chemical prod. (Dunkirk) bgs. 327, pkgs. 302, (Drontheim) cs. 125, (N.Y.) brls. 136
 Cottonseed (A'dria) tons 6,978, (B'bay) bgs. 10,927
 Essential oils (R'dam) obys. 23, cs. 9
 Formic acid (R'dam) blns. 205
 Glucose (N.Y.) 460
 Glycerin (A'dam) dms. 170
 Gum copal (W.C. Africa) bgs. 5,864
 Linseed (R. Plate) bgs. 70,328
 Mustard-seed (Holland) bgs. 600
 Palm-kernels (W.C. Africa) tons 1,579, bgs. 51,939, bkts. 1,235
 Palm oil (W.C. Africa) cks. 127
 Potash caustic (N.Y.) dms. 16
 Rape-seed (Karachi) bgs. 4,766
 Soda nitrate (Dunkirk) cks. 52
 To Folkestone.
 Perfumed spirits (France) pkgs. 4
 Perfumery (France) pkgs. 18

Newfoundland Cod-liver Oil.

Charles Lane & Sons, 7 and 8 Idol Lane, E.C., send us the following report which they have received from their principal, Mr. W. A. Munn:

"In January 1915 prospects were considered bad, there being practically no demand from any source; therefore during the winter fishery most of the refineries closed down, only one or two continuing to work. Fishing was better than had been experienced for several years, the yield of oil very good, and the price for livers remained low. Therefore, when later on a better demand was experienced, such refineries as had worked did extremely well. In June, when the summer fishing started, prospects were much better, and most of the refineries worked at full pressure. The fishing started well, but came to an

early close in July, owing to scarcity of bait. In August and September, generally the most productive months, very little was done, but in October and November good fishing was again experienced, the demand, which had been so slack earlier on, becoming keen in June and July, and the price advanced to three times the value of last season.

First inquiries were from New York, but later on London inquiries became more prominent. Previously business between Newfoundland and England had been almost entirely in crude oil in wooden barrels; but having proved that Newfoundland could turn out a good quality of medicinal oil, and the dearth and scarcity of Norwegian oil giving dealers an opening on the English market, a big trade in Newfoundland medicinal oil in tin-lined barrels was done. The demand for oil both from London and New York, which generally falls off after October, has continued good, and it is anticipated that before oil from the new fishing becomes available Newfoundland stock will be totally exhausted. Among Newfoundland refiners Mr. W. A. Munn has been prominent, having maintained his business on Canadian and American markets and increased his sale in the U.K., and also opened business with India and China. The improvement in the manufacture of Newfoundland oil has been much appreciated. The Government are making special regulations, and a Bill is proposed to prevent the manufacture of cod-liver oil without a licence; therefore it is anticipated that a standardised quality of good oil only will be coming in future from Newfoundland, and it is hoped that trade will in some measure become diverted to our oldest Colony, where capital is being freely extended in the improvement and extension of refining-works."

World's Vanilla-crops.

H. Mayer Senior, Ltd., have issued their annual export statistics of vanilla from all producing centres for the 1914-15 season, which latter, owing to interruption of shipping and finance facilities, extended right throughout the year 1915, instead of being completed in the spring, as far as importation by first-hand was concerned. The market situation duly reflected these uncertain and abnormal conditions, and hesitation took the place of enterprise until late in the year, when no further doubt was left concerning a greatly reduced Mexican crop for 1915-16. Owing to the partial overlapping of the seasons and difficulties of obtaining reliable data from some outlying islands, the figures may require slight adjustment later on, but for the present will suffice to keep up this annual record, now published for a great number of years:

	Tons		Tons
Bourbon	52	Guadeloupe and Mar-	
Seychelles	10	tinique	8
Comores and Mayotte...	80	Mexico	155
Madagascar, Nossi-Bé,		Tahiti	140
and St. Marie	112		
Mauritius, Java, Fiji,			572
and Ceylon	15	against 540 tons in 1913-14.	

Cinchona and Quinine in 1915.

Widenmann, Broicher & Co., Ltd., in their annual circular on bark and quinine, give a concise review of the markets during 1915, in the course of which they say: "The end of the war not being in sight, everything seems to point to higher quinine prices; the demand for the product, enormous as it is, is bound to grow, because quinine will have to substitute many antipyretics, of which the supplies grow ever scarcer and dearer. While quinine has had an important rise the unit price for bark in Holland has remained at 6.20c. throughout. The official quinine price in Frankfurt, which forms the basis for the prices paid to the Java bark-growers, has therefore apparently not been changed from 1s. 1d. per oz., although the interest of the planters would seem to demand some readjustment. . . . The signatories to the cinchona agreement have, for the period of the war, arranged to take as much bark as corresponds to the amount of quinine sold by them since the previous allotment, and, after the war, as much as possible in excess of their normal quota. . . . The shipments of Java bark have again diminished by about three million lb. Apart from the increased activity of the Bandoeng works, scarcity of freight and the wish to avoid costly storage in Holland may be responsible for the decrease. The Amsterdam stocks are, in fact, smaller than a year ago. . . . The London stock of quinine has been severely encroached upon by the unusual demand from all parts, and has shrunk by considerably over one million oz. According to official figures deliveries from stocks in public warehouses have been twice as large as the receipts. Russia and Italy have been large buyers. The Indian Government factories have bought no Java bark since 1913; they dispose of a reserve of several million oz. of quinine, created by their purchases of Java bark prior to 1914 and the acquisition of liberal quantities of quinine in London."



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Thoughts on a Union of Panel Chemists.

SIR,—Having noticed letters from your correspondents suggesting a chemists' union, I desire to say that I firmly believe it is the only way out of the difficulty we panel chemists have been plunged into as regards the pay for insurance dispensing. We must no longer allow those in power to accept anything they think proper on our behalf. I hope every chemist will keep his guinea in his fist until he hears more about the union, and then invest it in a good thing.
PANEL CHEMIST. (101/27.)

SIR,—It seems almost hopeless to try and get chemists to act for themselves and in their own interests, but I should like to endorse Mr. Breese's plea for a chemists' trade union which appears in your current issue. I differ from him in one point, and that is in working for another "six months" under the present conditions. We shall surely in three months have gained enough experience of the prices and method of payment to help us decide whether to continue or not. After three years patiently following our leaders we are decidedly in a worse position than we were at the start, so far as N.H.I. work is concerned, so it is quite possible that a trade union might effect an improvement. It is well worth trying.

Yours truly,

HEDLEY E. DWELLY.

Harlesden.

SIR,—For some years past it was thought the Pharmaceutical Society was waking from its slough, and one looked to it as possibly becoming in the future our sheet-anchor, but from the way matters have trended, despite its efforts for us (and strenuous efforts, too) afloat N.H.I. work, one fears it will prove to be but a lifebuoy out of which its buoyancy has escaped. The Society is not a trade organisation; it is a valuable body, representative of the best interests of the calling, but it does not represent us in detail. There is too much of a self-imposed halo about it, too much servility to the Privy Council, to be of real service to us in trade matters. The Society is, with the aid of the Privy Council, a jack-of-all-trades. It helps to make laws, helps to exercise those laws, inform on those acting against those laws, and impose mitigated penalties in such cases. It educates men and at the same time examines them as to their ability to become chemists, and altogether is such a heterogeneous body that one cannot be surprised there is so little support of it by individual members of the fraternity. It is said when talking about matters affecting the vital trade interests of pharmacy that the Society dare not move in trade matters because of a fear of jeopardising the charter it holds. If that be really a fear (and there appears to be much truth in it), it is self-evident that we are without hope if we rely merely on the Society to lead us to victory in cases of vital import to us. What is undoubtedly needed, though at present it is difficult to foresee its existence, is a union of chemists of the whole country that can deal with matters affecting our business, knowing by its existence it has the vote of every chemist behind it. With it we could face existing and future problems with united front, and were it to grow into the powerful body that fills one's fondest dreams, it would later absorb those excellent bodies, the P.A.T.A. and C.D.A., with the latter's subsidiary Insurance schemes relative to employers' liability, fire, plate-glass, etc. Its council could be elected as regards territorial or numerical representation, and there are sufficient men in the trade from whose ranks could be selected a real live and wide-awake secretary. I am no believer in revolution, but evolution. Were I to think it in the least degree possible that the Society could ever become such a body I would plump for that at once; but to bring the Society, with its halo of ultra-respectability, into sympathy with the purely trade questions that affect us vitally would be an Herculean task. There is need, and immediate need, that we get, at the earliest moment possible, co-operation of all those in business to accept or refuse within a few months the N.H.I. dispensing. If we are prepared we shall win out, but if it be left to the conglomerate Committees, Federations, Standing Committees, and Executives galore, feebly backed "but to make terms" by the Society, we shall be once more, to put it vulgarly, "in the cart."

CORN RAZOR. (101/106.)

Flowers and the Season.

SIR,—“The daisy, gorse, and groundsel are already in flower,” says your correspondent “A Country Chemist.” But the daisy, gorse, and groundsel are virtually always in flower; I have never known a winter in which blooms of all these plants might not have been found. We used in my native parish, where the wolds were covered with gorse, to say, “When gorse is out of blossom, kissing is out of fashion.” Gorse is “the never-bloomless furze” of the poet. So, too, with the daisy, “the constellated flower that never sets.” “Thou Winter in the garland wears,” says Wordsworth, addressing this flower; Montgomery says it “wreaths the whole circle of the year,” and Burns:

“Cold blew the bitter, biting north
Upon thy numble birth,
Yet cheerfully thou ventrest forth
Amid the storm.”

Tennyson, again, says that near the highest summit of “the snowy Pluguen” he plucked a daisy. Nor is the case different as regards the groundsel. It is only in exceptionally severe winters, even if then, that it is not to be found in flower. Both Lyte and Culpeper note it as often found flowering in winter. There is certainly nothing exceptional in what your correspondent notes: what the old proverb calls “green Christmas” are the rule, not the exception, and were so when Christmas fell later than it does now.

Yours, etc.,

C. C. BELL.

Subscribers' Symposium.

For interchange of opinion among “C. & D.” readers, and brief notes on business and practical topics, especially new ideas.

Killing Cats.

“As one who has been guilty of many feline and canine murders in his time, may I be allowed to say that none succeeds so well as dropping the preparation on the nose of the animal? It is astonishing the rapidity with which the deed is done and the small amount of material required, and the painlessness, apparently, of the operation to the victim. The syringe system, it was thought, was abolished ages ago.”—F. H. A. (99/41).

From a London Suburb.

A *London Pharmacist and Optician* (168/4) sends with his subscription to the *C. & D.* the following record of a conversation in his pharmacy last week (for obvious reasons we withhold his name and locality):

Enter small child: Tin of Iron Jelloids, please.

Chemist: Yes; what number?

Small child: No. 3 The Crescent (her address).

A Strange Coincidence.

“I thought, on reading your Edinburgh news of January 15, that the bromide case referred to me, for only on Wednesday of that week I had a case almost identical:

Ammon. brom.	...	...	...	5 <i>ij</i> .
Ext. glyc. liq.	...	...	...	5 <i>j</i> .
Aq. ad	...	...	...	5 <i>ij</i> .

5ss. dose.

“1s. 8*d.*, please.” “Mr. ——— only charged 10*d.*.”—J. G. N. (99/73).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of “The Chemist and Druggist Diary,” 1916, beginning on page 341.

W. L. W. (101/22).—The ammonia preparations which on sale have to be put in a poison-bottle are those containing more than 5 per cent., by weight, of free ammonia.

Galen (101/73).—The young lady who is serving her apprenticeship without indentures can only be regarded as a weekly employé, and cannot be compelled by her employer to complete the apprenticeship or any day of it.

M. J. R. (179/3).—Mixtures containing 3 to 5 minims of tincture of opium and tincture of aconite per dose are certainly poison within the meaning of the Pharmacy Act, 1868, the aconite mixture being a Part I. poison. Blue pill and lead acetate are not scheduled poisons.

Vigil (100/58).—Benzin and benzolene are distillates from coal-tar, and are of different boiling-points; petrol is a distillate from petroleum. Although all these articles are “petroleum” for the purposes of the Petroleum Acts, they are commercially different, and benzolene is not petrol, but

it is classed as motor-spirit for duty purposes. If you have not a petroleum-vendor's licence you cannot sell more than one pint of benzolene or any “petroleum” at one time.

Subscriber (101/44) holds his premises under a lease for twenty-one years from Lady Day, 1904, which provides for an increase in the rent after the first seven years. As the landlord did not apply for the higher rent in 1911, “Subscriber” has continued paying and getting receipts for the rent at the original figure. The landlord now claims the difference between the rent paid and the increased rent in respect of the past five years. Can he enforce this claim? [We are of opinion that he can.]

D. G. (179/31).—Chemists' assistants are not entitled to wages in lieu of holiday, and no holiday is given to assistants unless they are continuing the service. It is a common mistake on the part of assistants to say that they will leave when their holiday is due and count it as part of the month's notice; the holiday can only be said to be due if the assistant is continuing in the employment. It was a mistake for you to pay an assistant who was leaving you something in lieu of a holiday, but it is sheer impudence on his part to threaten three months afterwards to sue you for more money in respect to a holiday to which in law he was not entitled.

H. (172/24) was engaged under a contract of service at a salary and upon commission. He has been given a month's salary in lieu of notice terminating his employment. Is he entitled to an allowance in respect of commission in addition? [Assuming that the contract of service does not provide for “H.'s” dismissal upon payment of a month's salary, he is, in our opinion, entitled to claim, in addition to his salary, an amount equivalent to the commission which he would have earned, in the ordinary course of events, had he served for the period during which he was under notice to leave. Whether he is entitled to a longer or shorter notice of dismissal than one month depends upon the capacity in which he was employed, and other circumstances, but a month is customary for retail chemists' assistants in England. The Court might, in assessing the damages to which “H.” is entitled, make a deduction in respect of the salary which he has earned, or could with reasonable diligence have earned, by securing other employment.]

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

We do not as a rule repeat information which has been given in this section during the past twelve months, but give the reference to the issues in which the information may be found. If querists cannot refer to these, they may obtain the numbers from the “C. & D.” Office at the published price, usually 6*d.*

South (94/50).—If when you attested under Lord Derby's scheme you received from the medical officer a certificate (Army Form B 2512A) stating that you are medically unfit, there is an end of the matter, and on the production of that certificate on or after January 15 you will receive your armet. It is not necessary for you to appear before the local tribunal, nor need we occupy space with the other matters in your letter.

J. W. (93/32).—(1) SWELLING ON PONY'S SHOULDER.—The tumour or swelling to which you refer is caused by inflammation of the skin from friction or too much pressure of the collar. The cause must first be removed by adapting the stuffing of the collar to the part. As medicinal treatment try bathing the part with solution of salt, and keep the pony off work for a day or two. If this does not improve matters, dress the part daily with iodine ointment (1-8), or scratch the tumour and rub in arsenic ointment (1-8), and keep the part moist with lard or oil. The arsenic acts in a few days. (2) TRENCH-POWDER.—The powder devised by Mr. Langford Moore is an effective remedy against body-lice. The formula is as follows:

Hydrarg.	ammon.	...	...	5 <i>j</i> .
Zinc oxid.	...	...	...	5ss.
Magn. silicat.	...	...	...	5ss.

M. Ft. pulvis.

This is applied to the infected areas on a lint pad or by means of a pepper-box. It may also be used as a prophylactic, dusted on the underclothing and the body.

T. W. L. (68/44).—LOTION FOR CANCER IN HENS.—This appears to be glycerin of carbolic acid. The slight greenish colour may be accidental, or it may be intended to hide the character of the liquid.

C

A. W. P. (100/2).—SHEEP-DIP PASTE.—This is one of the types of sheep-dip in which tar acids are mixed with soft soap and crude lanoline. It is not one that can be made economically on a small scale, as the selection of the tar acids needs scientific control in buying.

S. H. (Transvaal) (100/38).—The quantity of the powder you send is inadequate for analytical examination. We have, however, negatived your suggestion that it is antipyrin. There is also an absence of exalgin and acetanilide.

W. C. (99/59).—**WATER-GLASS** is made as follows: Fuse on the bed of a reverberatory furnace a mixture of sodium carbonate 22 or 23 lb., white sand or powdered flints or quartz (prepared by heating to redness, quenching in water, and grinding) 44 or 45 lb., charcoal in powder 3 lb. After fusing the mixture for eight or ten hours, the mass is withdrawn, broken up, and dissolved by prolonged boiling with water. In the case of potash water-glass potassium carbonate is used in place of sodium carbonate.

G. P. (92/60).—**ANÆSTHETISING FLOWERS.**—Some particulars were given in the *C. & D.*, January 24, 1903, p. 122, of the method of using anæsthetics in horticulture. By using an anæsthetic—*e.g.*, ether—the natural resting period of a plant or bulb is abridged by some months. The method consists of exposing the plants to ether for forty-eight hours, and after exposure to air for a like period another period of anæsthesia follows. The plants or bulbs are then removed to a forcing-house, and rapidly bloom.

J. F. M. (53/59).—(1) **CUTTING-LIQUID FOR STEEL BORING-TOOLS.**—This, as you surmise, is a liquid soap, but most samples we have examined previously have been thinner in consistence. Soap is the constituent which gives the liquid its property of "cutting"—*i.e.*, facilitating the action of the boring-tool. We cannot say what is the exact method of making the preparation you send, but your experiments with resin and caustic soda are on the right lines. (2) **LIQUID SHOE-POLISH.**—The following is one of several shoe-polishes of the same nature which are given in "Pharmaceutical Formulas":

Shellac	...	...	...	...	5iiss.
Spirit	...	...	...	...	5xiiss.

Dissolve and add to a solution of

Curd soap	...	...	...	...	5iiss.
Hot spirit (25-per-cent.)	...	...	...	...	5iv. 5vj.
Glycerin	...	...	...	...	3ss.

Then add

Best aniline black	...	...	...	...	3ss.
Proof spirit	...	...	...	...	5xiiss.

Keep for two weeks in a warm place before bottling. This is best used by means of a small sponge.

Dens (167/19).—**TOOTH-PASTE.**—The following formula will meet your requirements if for part of the magnesium carbonate you substitute some sodium chloride:

Magnes. carb. pond.	...	...	...	...	5ij.
Pulv. boracis	...	...	...	...	5iiss.
Crete præcipitat.	...	...	...	...	5j.
Pulv. sapon. alb.	...	...	...	...	5vj.
Otto rosæ	...	...	...	...	mij.
Ol. iris	...	...	...	...	mij.
Ol. caryophyll.	...	...	...	...	mij.
Ol. rosæ geranii	...	...	...	...	mij.
Liq. carmini	...	...	...	...	mx.
Mellis	...	...	...	...	5iiss.
Aq. rosæ	...	...	...	...	q.s.

Mix thoroughly to make a thin paste allowing to stand in the mortar a few days for stirring.

W. J. D. (95/47).—**RUBBING OR HEALING OINTMENT.**—The following is the formula you require:

Thymol	...	...	...	...	80 gr.
Camphor oil	...	...	...	...	1 oz.
Eucalyptus oil	...	...	...	...	3 oz.
Origanum oil	...	...	...	...	4 dr.
Yellow beeswax	...	...	...	...	10 oz.
Chlorophyll	...	...	...	...	$\frac{1}{2}$ oz.

Keith (251/54).—**POULTRY-POWDER.**—This consists of spices, such as anise and cummin, with a small proportion of iron peroxide and capsicum and a basis of liquorice-powder.

Winnock (Cape Town) (76/3).—The **HAIR-RESTORER** which you send owes its properties to the presence of lead.

A. B. C. (99/40).—**LYSOL**, if properly made, is free from excessive alkalinity and does not act injuriously on rubber sheeting when used as a disinfectant.

A. H. H. (85/58).—**STENCIL-INK.**—The following represents the composition of solid stencil-inks:

Rosin	...	...	...	...	1½ lb.
Shellac	...	...	...	...	1 lb.

Melt and add

Rosin spirit	...	...	...	...	2 oz.
Tallow	...	...	...	...	1½ oz.
Japan wax	...	...	...	...	2 oz.

Stir well and add

Bone black	...	...	...	...	14 oz.
Yellow soap, sliced	...	...	...	...	$\frac{3}{4}$ oz.

Stir until dissolved, then transfer to moulds.

A. G. G. (N.Z.) (89/66).—We do not recollect the recipe for "jam for worms," but if you will supply us with some indication as to when it was published we will look into the matter.

Rhei (167/18).—You had better employ the sugar with which some dirt has been mixed for the preparation of syrups. The straining process needed for syrups will free it of extraneous matter.

J. S. (91/52).—**GROWING MEDICINAL PLANTS.**—The plants which are most required are belladonna, aconite, digitalis, and henbane. You will have noticed the letter on the subject in the *C. & D.*, January 15, p. 62, and have doubtless obtained the Board of Agriculture leaflet on the growing of medicinal plants. *The Chemist and Druggist Diary*, 1908, contained a treatise on the subject.

Who Said This?

We have selected from famous authors things that they have said which pertain directly or indirectly to pharmacy or medicine. We propose to print these week by week, and we ask our subscribers to say who the authors were. The quotation printed last week was:

"A potent thing, 'twas said, to cure the ills
Of ailing lungs—the *oxymel of Squills*."

This week's quotation is:

"Then they bid close your eyelids,
And they mask you with a napkin,
And the anæsthetic reaches
Hot and subtle through your being."

Tell us on a postcard who said this, giving your name and address. We shall award a copy of Wootton's "Chronicles of Pharmacy," in two volumes, or of "Pharmaceutical Formulas," to the *C. & D.* subscriber or his assistant who correctly gives us the names of the authors of the quotations which we publish in our issues this month, including the Winter Issue, January 29. Replies received later than ten days after the quotation is published will not have priority of choice when we come to adjudicate the prize-winner.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Jan. 15, 1866.

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[Then followed a description of the preparation, in which Dr. Dobell was assisted by Mr. Schweitzer, the scientific chemist in the establishment of Messrs. Savory & Moore.]

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Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 66/6 cwt.

Pulv. Ipecac. Comp. P.B., 1 lb. @ 7/6 lb.
" Jalap Comp. P.B., 1 lb. @ 2/1 lb.
" Rhei Comp. P.B., 1 lb. @ 1/6 lb.

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Salol, B.P., 1 lb. @ 5/- lb.

Sang. Draconis, pulv., English Ground, 7 lbs. @ 2/8 lb.

Santoninum, P.B., 16 oz. @ 165/- lb.

Sapo Cast. Alb., 2 cwt. @ 45/- cwt.; 7 lbs. @ 6d.; pulv., 1 cwt. @ 100/- cwt.; 56 lbs. @ 105/- cwt.; 7 lbs. @ 1/0½d. lb.; Animal pulv., 1 cwt. @ 70/- cwt.; 56 lbs. @ 72/- cwt.; 7 lbs. @ 9d. lb.

Scammony Resin, Pulv., B.P., 7 lbs. @ 4/9 lb.; 1 lb. @ 5/3 lb.

Shellac (Orange), 1½ cwt. @ 85/6 cwt.; 7 lbs. @ 1/- lb.

Soda Caustica, 6 1-lb. bots. @ 2/8 lb.

Soda Cit., B.P., 3 lbs. @ 4/11 lb.

Soda Sulphite, Recryst., 1 cwt. @ 21/6 cwt.; 7 lbs. @ 4d. lb.

Soda Sulphocarbolas, B.P., 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.

Sodii Bromid., P.B., 7 lbs. @ 21/- lb.

Soda Hyposulphite, pea cryst., 1 cwt. @ 25/6 cwt.

Sodii Salicyl. Pulv., 2 lbs. @ 22/6 lb.

***Spt.** Ether Nit., P.B., 4½ lbs. @ 4/6 lb.; 1 lb. @ 4/10 lb.

" Ammon. Aromat., P.B., 5 lbs. @ 3/7 lb.

" Chloroform, P.B., 5 lbs. @ 4/1 lb.

Strontia Bromid., 1 lb. @ 22/- lb.

Strychnina Cryst. B.P., 4 oz. @ 3/2 oz.; Hydroch. and Sulphate, 2d. oz. less.

Sugar of Milk, P.B., 1 cwt. @ 87/- cwt.; 7 lbs. @ 10d. lb.

Sulphonal, P.B., 1 lb. @ 45/- lb.

***Syr.** Aurant. P.B., 7 lbs. @ 11½d. lb.

" Easton, B.P., 7 lbs. @ 1/3 lb.

" Ferri Iodid. P.B., 7 lbs. @ 1/6½ lb.

" Ferri Phosph. Co., 7 lbs. @ 7½d. lb.

" Hypophosph. Co., B.P.C., 7 lbs. @ 1/0½ lb.

" Pruni Virg. B.P., 8 lbs. @ 9½d. lb.

" Rhazni, 7 lbs. @ 1/- lb.

" Rhei, P.B., 7 lbs. @ 10d. lb.

" Scillæ, P.B., 7 lbs. @ 7d. lb.

" Senna, P.B., 7 lbs. @ 11d. lb.

" Tolut, P.B., 7 lbs. @ 9½d. lb.

Thymel, 1 lb. @ 52/5.

Tinct. Aurantii Recens., B.P., 5 lbs. @ 4/2 lb. Aquos, 11d. lb.

***Tinct.** Belladon. B.P., 5 lbs. @ 4/8 lb. Aquos, 1/10 lb.

***Tinct.** Benzoini Comp., P.B., 5 lbs. @ 4/4 lb.

***Tinct.** Camph. Comp., P.B., 5 lbs. @ 3/- lb. Aquos, 1/2 lb.

***Tinct.** Cantharidis, P.B., 5 lbs. @ 4/8 lb.

***Tinct.** Capsici, B.P., 5 lbs. @ 3/2 lb. Aquos, 11d. lb.

***Tinct.** Card. Comp., P.B., 5 lbs. @ 2/7 lb. Aquos, 1/1 lb.

***Tinct.** Catechu, P.B., 5 lbs. @ 2/11 lb. Aquos 1/1 lb.

***Tinct.** Chlorof. c. Morpb., P.B., 1885, 5 lbs. @ 2/5 lb.

***Tinct.** Cinchon. Rub., P.B. 5 lbs. @ 3/6 lb. Aquos, 1/3 lb.

***Tinct.** Digitalis, B.P., 5 lbs. @ 3/11 lb. Aquos, 1/1 lb.

***Tinct.** Gelsem., P.B., 5 lbs. @ 3/4 lb. Aquos, 1/4 lb.

***Tinct.** Gentianæ Comp., B.P., 5 lbs. @ 2/4½ lb. Aquos, 1/1 lb.

***Tinct.** Hyoscyam., B.P., 5 lbs. @ 4/4 lb. Aquos, 1/10 lb.

***Tinct.** Iodi, B.P., 5 lbs. @ 5/3 lb.; Fort. @ 6/9 lb.; decolor., 5 lbs. @ 5/5 lb.

***Tinct.** Lavandulæ Comp., B.P., 5 lbs. @ 4/7 lb. Aquos, 1/1 lb.

***Tinct.** Myrrhæ, B.P., 5 lbs. @ 4/5 lb.

***Tinct.** Nucis Vom., B.P., 5 lbs. @ 3/5 lb. Aquos, 1/3 lb.

***Tinct.** Op'i, B.P., 5 lbs. @ 5/10 lb.

***Tinct.** Opii Aquos, 5 lbs. @ 4/1 lb.

***Tinct.** Quinina Amm., B.P., 5 lbs. @ 3/9 lb.

***Tinct.** Rhei Co., B.P., 5 lbs. @ 2/4½ lb. Aquos, 1/1 lb.

***Tinct.** Scillæ, B.P., 5 lbs. @ 2/10 lb. Aquos, 11d. lb.

***Tinct.** Senegæ, P.B., 5 lbs. @ 3/7 lb. Aquos, 1/6½ lb.

***Tinct.** Strophanth., P.B., 5 lbs. @ 4/3 lb.

***Tinct.** Valerianæ, 5 lbs. @ 3/4 lb. Aquos, 1/2 lb.

***Tinct.** Valerianæ Ammon., P.B., 5 lbs. @ 3/8 lb. Aquos, 1/4 lb.

***Tinct.** Zingib., P.B., 5 lbs. @ 4/8 lb.

***Tinct.** Zingib. Fortior., 5 lbs. @ 4/11 lb.

Treacle (Black), 24 lbs. @ 2½d. lb.

Turpentine (Best American), 1 gal. tins @ 4/9 each; Venice, Genuine, 9 lbs. @ 2/- lb.

Ung. Acid. Boric, P.B., 28 lbs. @ 8d. lb.; Flav., 28 lbs. @ 5½d. lb.

" Acid. Carbol., B.P., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.; 1 lb. @ 1/5 lb.

" Gallæ, P.B., 7 lbs. @ 1/- lb.; 1 lb. @ 1/2 lb.; c. Opio, 7 lbs. @ 3/10 lb.

" Hydrargyri, B.P., 28 lbs. @ 2/9 lb.; 7 lbs. @ 1/11 lb.

" Hydrarg. Ammon., B.P., 28 lbs. @ 1/4 lb.; 7 lbs. @ 1/7 lb.

" Hyd. Nit. Dil., 7 lbs. @ 1/3 lb.

" Paraff. Alb., P.B., 28 lbs. @ 8½d. lb.; 7 lbs. @ 9½d. lb.; 1 lb. @ 11½d. lb.; Flav. 28 lbs. @ 6½d. lb.; 7 lbs. @ 8d. lb.

" Resinæ, P.B., 28 lbs. @ 1/- lb.; 7 lbs. @ 1/1 lb.

" Sulphuris, B.P., 28 lbs. @ 9½d. lb.; 7 lbs. @ 10½d. lb.

" Zinci Oxid. Benz., B.P., 28 lbs. @ 10d. lb.

Wax, Japan, 2 cwt. @ 70/- cwt.; 7 lbs. @ 9d. lb.

Zinct Oleat. Powder, B.P.C., 7 lbs. @ 2/10 lb.

" Zinci Oxid., 1 cwt. @ 82/6 cwt.; 28 lbs. @ 9½d. lb.; 7 lbs. @ 10d. lb.

" Sulph., pure, 1 cwt. @ 54/6 cwt.; 28 lbs. @ 6½d. lb.

" Sulphocarbolas, B.P., 7½ lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.

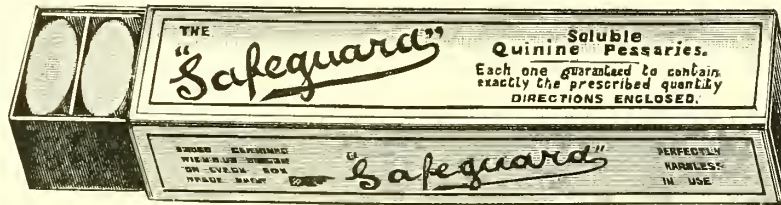
*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted.
NOTE.—Only terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.
Goods carriage forward; all packages free; Export cases extra.

ALLIANCE DRUG & CHEMICAL CO., LONDON.

Offices: 34 LEADENHALL STREET.

KINDLY DETACH THIS SHEET AND PLACE IT IN YOUR BUYING BOOK.

SOLUBLE QUININE PESSARIES



The "**SAFEGUARD**" Pessaries (of which we are sole proprietors) are compounded according to a formula which experience has shown to be absolutely the best for the purpose. Nothing but the purest drugs being used in them, they never fail, and can be recommended to customers with the utmost confidence.

PRICES.

		£	s.	d.
1 Dozen in Box, with directions	...	0	12	0
1 " " in 3 Dozen lots	...	0	11	6

Special Quotations to Shippers and Wholesale Dealers.

5% discount allowed for prompt cash off above prices. Carriage paid on orders of £2 and upwards to any town in the United Kingdom. We are the right House for **BRITISH-MADE GOODS**—Bandages, Belts, Catheters, Clinical Thermometers, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber and Vulcanite Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,
91 & 92 GREAT SAFFRON HILL, LONDON, E.C.

The Original and only Genuine

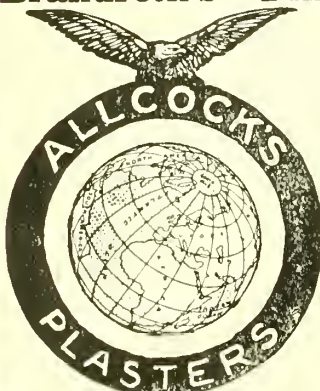
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POROUS PLASTERS

A REMEDY OF 60 YEARS' STANDING.

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Three
Reliables.*

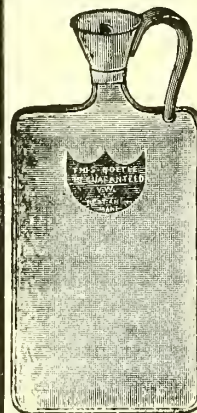


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ON P.A.T.A.
LIST.

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on
application to

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MANUFACTURING
COMPANY
22 Hamilton Sq.,
Birkenhead.



VINCENT WOOD'S

Gold Medal "EUREKA"

Hot Water Bottles
and Covers,
Lung Protectors &
Body Belts.

Same prices as last year.

Order at once, there may be
great shortage of material.

91/93 NEWINGTON CAUSEWAY, S.E.

JUST WHAT YOU WANT!!!

GLASS BOTTLES

AT THE RIGHT PRICE.

We make Vials, Poisons,
all shapes and colours.
Special Ammonia Bottles
to meet the requirements
of the Act.
Winchesters, plain and
stoppered.
Mineral Water Bottles,
all kinds.

Perfumery Bottles, all
shapes and sizes.

BOTTLE EXPERTS,
any special shape or
colour made by our up-to-
date Patent Gas Furnaces
and Machinery.

Before placing your order elsewhere ask your Merchant to consult or write to
ORROCKS LTD., Glass Bottle Works,
CREEKSOUTH, DORSET.
Established nearly a Century.

"SANOID" BORACIC SOCKS.

MANY Chemists
have enjoyed the
ready sale of
Boracic Socks,
which literally

**SELL
THEMSELVES**



NOW is the time
to order, so as to
enjoy a share of
these

**READY
SALES**

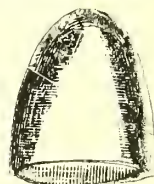
3/6 per dozen pairs.

SAMPLE ON APPLICATION.


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RENDELL'S

SOLUBLE QUININE PESSARIES.



THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in **RED INK**, are upon each box thus:

Registered
Trade Mark, 
without which
none are genuine.
No. 182,688.

W. J. Rendell
No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

IMPORTANT NOTICE AND CAUTION.

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Wholesalers or Vendors) fraudulently using the name of W. J. RENDELL, "RENDELL," or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,
INVENTOR AND SOLE MAKER,
15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

DR. J. COLLIS BROWNE'S CHLORODYNE

Revised Prices and Terms :

OCTOBER 1915.

Size	....	....	....	1/3	3/-	5/-	12/-
Minimum Retail Price				1/2	2/10	4/9	11/6
PRICE TO TRADE				11/9	29/6	48/9	117/6
(Per Dozen)							

Discount: 5 per cent. on £1 worth, 7½ per cent. on £5 worth and upwards.

Packages charged 3d. on £2 parcels or under, and 1d. for each extra £1 worth, and are not returnable. Carriage forward.

Terms: Cash with order. Most Wholesale Houses supply on equal terms.

Dr. J. Collis Browne's

Chlorodyne

is on P.A.T.A. Protected List, & must not be sold below the prices named above.

J. T. DAVENPORT, Ltd., Proprietors,
117 Union Street, S.E.

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JANUARY 22, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary a telephone or telegraph an urgent announcement this may be done

PROVIDED the MONEY is TELEGRAPHED

at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 3617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

NEXT WEEK

Seeing that the Winter Issue of "The Chemist and Druggist" is to be published next week (January 29) it is necessary that the Supplement be put to press earlier than usual. Intending advertisers will please note, therefore, that announcements intended for next week's Supplement must reach this Office not later than

2 p.m. on Thursday, January 27.

Any announcements received later will be inserted in "The Chemist and Druggist" Supplement of February 5.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON SUBURB.—Returns average about £2,500, yielding a net profit of over £700 yearly under management; price £1,250; part payment would be considered.

2.—LONDON, S.W.—Retail and Dispensing, in best position in middle-class shopping thoroughfare; returns £1,800, at fair prices; attractive shop, double-fronted; terms, goodwill £50, stock and fixtures at valuation.

3.—KENT (Suburban).—Price £450, or £50 premium and valuation of stock and fixtures; returns £900; net profit £249; good residence; held on lease; every investigation courted.

4.—LONDON, S.W.—Ready-money Business, much let down, and for sale through old age and ill-health; good house, which would sub-let; a young man with energy could soon make an excellent business; price about £100.

5.—LONDON.—Small Wholesale for Disposal through death of proprietor; the class of trade is chiefly Packed Goods sold to small shops; exors. will sell the goodwill and stock for removal, or the premises may be secured if required; about £250 will purchase; good opening for unqualified man.

6.—ON THE BANKS OF THE THAMES.—Essentially Dispensing and good-class Family trade; returns about £1,200, and giving a net profit of £300; full investigation invited.

7.—LONDON, N.—Ready-money Retail, situate in busy marketing thoroughfare; returns £1,400 under manager; net profit £400; stock and fixtures valued by vendor at £600; price £725; part payment.

8.—HEALTH RESORT (South).—High-class Dispensing and Retail, together with Optical connection, for Disposal through death of proprietor; returns average about £1,450, present rate less; profits above the average; attractive shop and good residence; price £1,000.

9.—SOUTH COAST.—Established Business, capable of considerable increase under qualified management; returns average £900; net profit £275; price £620, or offer.

10.—FASHIONABLE SEASIDE TOWN (South of England).—First-class Dispensing and Retail Business, under management for some time; excellent opening for extended trade; returns about £2,500; position unique; terms, valuation of stock and fixtures, with discount to be agreed.

11.—HERTS (Residential Locality).—Within easy distance of town; good-class Retail, Dispensing, and Photographic; no serious opposition; steadily increasing returns, now £1,000, at good prices; rent £28 on lease; attractive shop, well fitted and fully stocked.

12.—SUSSEX.—Good-class Country connection in good district; returns show a steady increase, now about £850; net profit £300; comfortable residence, private entrance, garden; no serious opposition.

13.—SURREY.—At value of stock and fixtures only or a lump sum of £150, nice little Business, situate in a lovely district; good residence, garden, etc.; net rent £15; must be sold.

14.—SOUTH WALES.—Sacrifice for immediate Sale; ready-money Retail; returns £700; net profit £200; rent £40; modern-fitted shop, with ample stock; price £525, £175 on entry and balance by instalments.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

Messrs. O. & Co. are prepared to undertake these essential duties, and will make Special Terms for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BRETT & CO.

Licensed Valuers,

73 LAUREL ROAD, LEICESTER.

Telegrams, "Brett Leicester."

Telephone 1934.

F. J. BRETT, M.P.S.,

GIVES PERSONAL ATTENTION TO ALL VALUATIONS.

NO CHARGE TO BUYERS.

AGENCY.—We have always a large number of *Buyers* on our books, and we can frequently find a purchaser at once. We also have a *Private Register* for vendors who are in no hurry to sell, and who do not wish their businesses to be advertised.

STOCKTAKING SPECIALISTS to the Entire DRUG TRADE.

£1,000 returns.—LONDON.—Light Family Retail and Dispensing; net profit £300; double-fronted shop, fitted by Maw's; price £400.

£1,400 returns.—SOUTH WALES.—General Light Retail, with fair Dispensing; net profit £375; price £850.

£600 returns.—LANCASHIRE.—Owner retiring after having made a competency; price £220; unusual chance for a man of limited capital.

£1,400 returns.—LINCOLNSHIRE.—Good class Retail in prosperous market town; lease at low rent; price £800.

£1,400 returns.—LANCASHIRE.—Popular seaside resort; long-established; good-class Retail and Dispensing; price £900.

We are fully booked up for stock takings for
January.

Valuations conducted upon the shortest notice
at moderate fees.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 CENTRAL.

NO CHARGE TO PURCHASERS.

1.—EASTERN COUNTY.—Good-class Cash Retail, with Wines and Spirits; returning between £3,500 and £4,000, with plenty of scope for further extension; splendid position; very heavily stocked; illness sole cause of selling; price required £2,000; strongly recommended.

2.—HOME COUNTY (35 Miles Out).—First-class Dispensing and Retail Business in most desirable town; returns £1,200; excellent profits; plenty of scope; good house, etc.; price £700, or £100 and valuation; personally recommended.

3.—YORKS (West Riding).—Middle-class Business in large Manufacturing town; returns over £1,000; net profit £350; very low rent; good premises, pleasantly situated; price £650, little more than valuation.

4.—SOUTH-WEST OF ENGLAND.—Old-established unopposed Country Chemist's Business; returning £1,200, and producing clear net profit of £300; large house and garden; heavily stocked; owner joining Army; will accept £700, bare valuation.

5.—DEVON.—Genuine unopposed small Village Business; plenty of scope for increase; net profit £152; large house and garden; modern-fronted Pharmacy; price £175; suit unqualified.

6.—LONDON (Western Suburb).—Sound Light Retail, with valuable appointment; returns £1,260; net profit £350; good position; excellent stock; price £550, or valuation.

7.—LONDON, S.W. (Few Miles Out).—Good middle-class Business, entirely under manager; returns over £700; plenty of scope; good position; well stocked; price £275.

STOCKTAKING v. INCOME TAX.

Every chemist should make a point of reading page 135 in *C. & D. Diary*, which deals with the above matter, and then write for our special pamphlet and low terms.

Forty-five years' practical experience.

PARSON C. BAKER

1 MOUNTFIELD ROAD, CHURCH END, FINCHLEY, N.

Recommended by—

BRITISH DRUG HOUSES, LTD.
MEGGESON & CO., LTD.
BARCLAY & SON, LTD.

Tel. No. Finchley 812.

All correspondence should be addressed as above.

And at 174 VICTORIA ST., S.W., Ph.C. Tel. No. Victoria 27.

Valuer to Association of Manufacturing Chemists, has Businesses for Disposal on East, South, and West Coasts, besides numerous others in various parts of the country.

Several Pharmacists are disposing of very desirable concerns that they may be able to join the Forces abroad. Purchasers are requested to send particulars of their requirements and the amount of capital they are willing to invest. No charge whatever to purchasers.

P. C. B. makes a speciality of examinations and reports on businesses on behalf of purchasers and arranges the transfer on very moderate terms.

Valuations for Sale, Probate, or Account are promptly attended to and personally conducted, whether in town or country. All communications are strictly confidential, and correspondence is invited.

Purchasers are strongly advised not to purchase any business which is not allowed to be investigated by an experienced expert.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS,
AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

ESTABLISHED OVER HALF A CENTURY.

Telegraphic Address: "Tomtom."

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every
10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

KENT.—Advertiser, wishing to join Colours, is willing to Dispose of his Business, opened two years ago; returns, present rate, £50-£60 per month; well-fitted Pharmacy; very low rent; amply stocked; price £350. "Alpha" (183/12), Office of this Paper.

LONDON, N.—Old-established lock-up Drug Stores; busy thoroughfare; at present doing £6 per week, but has been much neglected; under energetic management this could be greatly increased; well fitted; stock all new, value £75; owing to exceptional circumstances this is for disposal at a bargain price. 183/13, Office of this Paper.

LONDON, S.W.—£550 would purchase a good ready-money Retail, Prescribing, and own Proprietaries, showing good profits; proprietor retiring; every investigation allowed. Address, "Bromidin" (183/4), Office of this Paper.

LONDON, S.W.—Lock-up Shop; doing good, could do double; no N.I. (refused); every convenience; only wants seeing; anyone with £60 (less than value of stock) can have it. 183/20, Office of this Paper.

MANCHESTER.—Pharmacy; populous suburb; splendid corner premises; modern roomy house, private entrance; specially suitable for Dentistry; three large cellars, with shed; lease; opportunity for N.H.I.; average cash turnover three years £600 (no Dentistry or Panel); business recently worked by unqualified junior; stock and fixtures taken at £450; price £450. 105/29, Office of this Paper.

WESTERN Suburb.—Genuine live Cash Business for Sale through illness; scope for increase; corner shop; well fitted and stocked; returns steadily increasing; splendid opening for Optics and Dentistry; convenient house; price, fair valuation of stock and fixtures, about £300. Full particulars to *bona-fide* purchasers only, with banker's reference. 181/7, Office of this Paper.

YORKSHIRE, W.R.—A good-class Retail and Dispensing (not N.H.I.) Business for Sale; returns about £1,100; good position and healthy locality; shop of good appearance and well stocked; satisfactory reasons for sale. Apply, 181/29, Office of this Paper.

BOTTLES.—Small Glass-bottle Works for Sale, London district, with Four-pot Furnace Cooling Oven, etc., complete; low price for quick sale; good stock of Raw Materials, Blowing Irons, Moulds, etc.; experienced Glass Maker and Melter supplied if desired. Write, 185/36, Office of this Paper.

BUSINESS for Disposal.—Good General, Retail, and Agricultural; several proprietaries and a good county connection; valuation stock and fixtures, about £2,000 odd. "IXL" (102/21), Office of this Paper.

CHEMIST'S Business for Sale, as a going concern, in Bishop's Castle, Shropshire; established 37 years; well appointed; excellent house and storeroom; premises can be bought outright or business only and rental arranged; price reasonable. Apply, Mr. B. Poole, Auctioneer, Craven Arms, Salop, or Mr. Parkin S. Booth, Accountant to the Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool.

FOR immediate Disposal, owing to age and ill-health of proprietor, a handsomely fitted Pharmacy in county town in the North-West of England; doing a high-class Dispensing and General Retail trade; somewhat neglected, but capable of great expansion; price, valuation, probably about £500, or reasonable offer. Address, "T. S." (183/1), Office of this Paper.

SMALL Business for Sale, West London Suburb; present takings over £12 a week; good position; plenty of scope; moderate rent; well fitted and stocked; not on the Panel; good house; valuation stock and fixtures required. "Woods" (182/32), Office of this Paper.

TO Chemists and Dentists.—Exceptional opportunity for business man to acquire sound Chemist's Business in good-class neighbourhood; ample scope, and arranged for Dental department; well-fitted shop; dry cellar; side and back entrance; good house accommodation; electric light; capital required very small; rent £55. Letter, "E. B.," 76 Upper Tulse Hill.

UNOPPOSED Business, 50 miles London; population over 4,000; profitable Prescribing and Family trade; doing over £500; scope for Optics, Dentistry, and Photography; large Panel not reckoned in turnover; worker could increase to £800; splendid opportunity; full particulars to genuine inquirers; no agents; part purchase price could remain. "S. A. B." (184/7), Office of this Paper.

WITHIN Easy Reach of London.—Owner, retiring, is desirous of selling most desirable Country Retail Business in pleasant locality; returning £50 weekly; profits good; splendid stock; modern and convenient premises; only those with about £1,500 at command need apply. "Retiring" (185/24), Office of this Paper.

£50 cash down will buy small well stocked and fitted Drug Store in Lincoln; low rent and rates; corner shop in thickly populated district; no near opposition; small house accommodation; established 23 years; good opening for Panel; ill-health sole reason for disposal. 182/36, Office of this Paper.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

MILAN (Italy).—Agent, having best Italian clientèle, wishes to Represent important English Manufacturer of Chemicals for industry and Pharmacy; first-class references given and required. Inquiries and particulars, in first instance, through R. J. Cobbett, 35 Jewin Crescent, London, E.C.

SOUTH African gentleman, associated with Wholesale trade, shortly returning to Johannesburg, is open to accept first-class Agencies or to Represent leading Drug House (Sundries or Patents); experienced Traveller. Apply to 182/3, Office of this Paper.

AGENT wanted for Midlands, with connection amongst Wholesale Grocers and Druggists; must have knowledge of Pepper and Spice trade. Reply, with full particulars, 180/23, Office of this Paper.

AGENT or Representative for France and Argentina.—A gentleman who has an office in Paris wishes to take up the Representation of Pharmaceutical and Chemical goods. Reply, "Rios," Ilchester Mansions Hotel, Bayswater.

LEGAL.

NOTICE is Hereby Given that the Partnership heretofore subsisting between us the undersigned Gavin Brown Clark and Peter Hamilton Maxwell carrying on business as Pharmaceutical Chemists at No. 53 Knightsbridge S.W. under the style or Firm of Decastro Watson and Richards was dissolved on the 29th day of May 1915.

Dated this 14th day of October 1915.

GAVIN BROWN CLARK.

Witness:

Harvey Clifton, Solicitor, 4 New Court, Lincoln's Inn, W.C.

PETER HAMILTON MAXWELL.

Witness:

William Pingree Ellen, Solicitor, 44 Chancery Lane, W.C.

JOHN MANNING WATTS, Deceased.

PURSUANT to the Statute 22nd and 23rd Victoria, cap. 35, intituled "An Act to further amend the law of property and to relieve trustees" Notice is hereby given that all Creditors and other persons having claims or demands against the estate of John Manning Watts late of Westbourne, High Road, Loughton in the County of Essex and 18, Wellclose Square, London, E. and formerly of Elephant Yard, Fore Street, Cripplegate, London, E.C. (trading as Battley & Watts) Wholesale Chemist and Druggist who died on the twenty-sixth day of July One thousand nine hundred and fifteen and whose Will was proved in the Principal Registry of the Probate Division of the High Court of Justice on the 30th day of September 1915 by Elizabeth Hill Watts, Widow, the Executrix therein named are hereby required to send the particulars in writing of their claims or demands to me the undersigned on or before the 1st day of March 1916 after which date the said Executrix will proceed to distribute the assets of the said deceased among the parties entitled thereto having regard only to the claims and demands of which she shall then have had notice and she will not be liable for the assets of the said deceased or any part thereof to any person or persons of whose claims or demands she shall not then have had notice.

Dated this 19th day of January 1916. G. F. Clark, 35 Bucklersbury, London, E.C. Solicitor for the said Executrix.

FOR SALE.

ACETANILID, 8 oz., 4s.; Chloral Hydras, 8 oz., 8s.; Sulphonal, 12 oz., 3s., 3s. 6d. oz.; Diuretin, 1 oz., 3s. 6d.; Salol, 2 oz., 7s. 6d.; Guaiacol Carb., 3 oz., 5s. oz.; Phenacetin Tablets, 25's, 12s. doz.; Phenacetin and Caffein, 25's, 12s. doz. 181/9, Office of this Paper.

FOR Sale.—Chemist's Shop Fixtures; mahogany; very handsome; also stock Bottles, Scales, etc.; must be sold at once. Apply, Clarke, 167 Great Jackson Street, Hulme, Manchester.

MANUFACTURER offers 60 gallons excellent Tar Cough Syrup, in bulk; surplus stock; offers invited. Write, Box No. 513, c/o Mitchell & Co., Ltd., 1 Snow Hill, E.C.

MUST Sell at Once.—Slightly used National Till; keys 1/4d. to £2; prints Tickets; very low price for quick sale. Write, "F. C.," 8 Sterndale Road, Hammersmith, S.W.

SECOND-HAND Calandria Copper Vacuum Pan, barrel 5 ft. dia. by 7 ft. high; complete as erected; gauges, test-cocks, sight glasses as they stand; inspection in London. Apply, Andrew Brown & Co., 118 Cannon Street, London.

TABLET-COMPRESSING Machine, Allenburys' No. 2 Express Rotary; 250 to 300 tablets per minute; as new; only used a few days; complete with two sets Punches, Tools, etc.; price on application. 97/56, Office of this Paper.

WHAT offers? 10 lb. Pot. Permang., 2 lb. Pot. Iodid., 2 lb. Pot. Brom., 1 lb. Sodæ Salicyl., 1 lb. Phenacetin, small size Canteen Outfits (overstocked), 3 dozen Bottles 25's Aspirin Tablets (Standard Tablet Co.), Rubber Water Pillow, equal to new, 24 in. by 30 in. Davies, 7 Station Street, Porth, Glam.

SALES BY TENDER.

TO Close a Trust.—To be Sold by Tender, the stock-in-trade of the late Mr. H. S. McHugh, Chemist and Druggist, of Bridge Street, Castleford; view days Tuesday and Wednesday, January 25 and 26. For further particulars and permission to view apply A. Hudson, 21 King Street, Wakefield.

BUSINESSES WANTED.

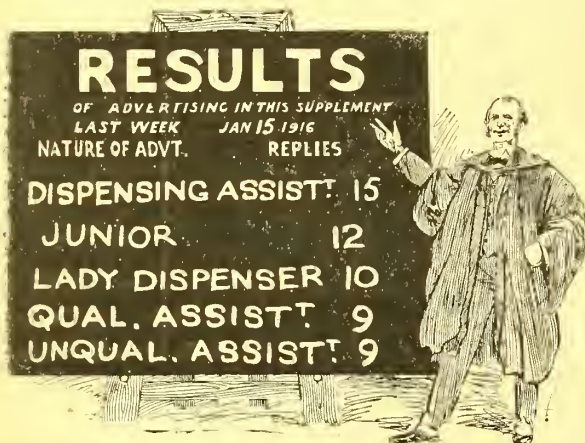
BUSINESS wanted, showing over £200 net profit; market town in hilly agricultural district preferred; East Coast and Southern towns not considered; capital at command. 182/31, Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

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RESULTS
OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK JAN 15 1916
NATURE OF ADVT. REPLIES

DISPENSING ASSISTANT	15
JUNIOR	12
LADY DISPENSER	10
QUAL. ASSISTANT	9
UNQUAL. ASSISTANT	9

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

RETAIL.

ALDERSHOT.—An unqualified Assistant. State particulars, with salary (outdoors), to Williams & Litchfield, Pharmacists.

BATH.—Mr. Griffin has a vacancy for an unqualified Assistant, well up in Dispensing; lady or gentleman; close to Pharmacy School; short hours; time for study; indoors; comfortable home.

BIRMINGHAM.—Assistant wanted; outdoors; Counter and Dispensing; 35s. per week to commence; hours 8.30 to 7.30; no Sunday or Bank-holiday duty; please send photo. Apply, Mr. Wakefield, Pharmaceutical Chemist, 11 Highfield Road, Edgbaston, Birmingham.

BUXTON.—Unqualified Assistant wanted, used to good-class business; outdoors; weekly half-holiday; no night duty. Particulars, with photo (on loan), to Young & Sons, Pharmacists, Spring Gardens, Buxton, Derbys.

CLETON, Bristol.—Qualified Dispenser; indoors; close 7.30 Wednesdays 1 o'clock; no evening duty. Apply, stating age, experience, and salary required, to Giles, Schacht & Co.

DARLINGTON.—Assistant required. Apply, stating age, height, experience, and salary required, to Waters, Chemist, Darlington.

FOLKESTONE.—Assistant wanted (outdoors) for high-class Light Retail and Dispensing business; good salary offered to a capable man. Photo and usual particulars to Messrs. Ransford & Cunningham, 36 Sandgate Road, Folkestone.

LIVERPOOL.—Qualified (25), open to engagement in Liverpool; Monday and Wednesday evenings and Tuesday afternoons required off for attending medical classes. "Botanic," c/o Thompson, 58 Hanover Street.

LILANELLY.—Manager wanted; qualified or registered; preferably over military age; light work. Apply, stating age and salary required, to Wade, 34 Stepney Street, Lilanelly.

LONDON.—Required, qualified Pharmacist (male or female), active and intelligent, for office work, accounts, correspondence, etc. Apply, by letter, giving particulars of qualifications, previous experience, age, and salary required, "A. M. D." (181/40), Office of this Paper.

LONDON, N.—Two or three days a week, including Friday and Saturday; quick Retail and Dispensing. Photo and full particulars to "Iota" (182/15), Office of this Paper.

LONDON, N.W.—Unqualified, ineligible, to take charge of small branch, single-handed; no Poisons; hours 9 to 9.30, Thursdays 1 o'clock, Fridays 10, Saturdays 11, Sundays 10 until 2; good personal reference required. State wages, etc., to 182/28, Office of this Paper.

LONDON Suburb.—Manager, unqualified, wanted immediately for permanency; good Salesman essential; married preferred. State in first letter age, last few years' experience, and salary expected to 182/29, Office of this Paper.

LONDON, W.—Assistant (unqualified) for high-class business; must be experienced in Dispensing; ineligible for Army; easy hours. Full particulars of experience, etc., to G. W. Gray, Pharmacist, 194 Holland Park Avenue, W.

LONDON, W.—Second Assistant; chiefly for Dispensing; qualified preferred; must be experienced and capable of taking charge occasionally; good salary. Apply, Manriev & Co., 42 Oxford Street, W.

LONDON, W.C.—Assistant, accustomed to good-class Retail and Dispensing; outdoors. Burden & Co., Chemists, 41 Store Street, Bedford Square, W.C.

MAIDSTONE.—Unqualified Assistant for good-class Dispensing and Family business; ineligible for military service; indoors or outdoors. Apply, with all particulars, age, height, experience, salary required, photo, etc., to Corfo & Son, Chemists, Maidstone.

MANCHESTER.—Smart unqualified Assistant wanted in three weeks time (ineligible), for high-class trade; good progressive salary to capable man; also young lady for Blackpool, used to fancy Window-dressing and packing Specialities. References and full particulars to Galloway, Blackpool.

MANCHESTER.—Elderly qualified Assistant required, mostly for N.H.I. Dispensing; comfortable permanency; easy hours. State when at liberty and salary required, 182/111, Office of this Paper.

NORTH OF ENGLAND.—Wanted, unqualified Senior for a very extensive Retail business in the North of England; must have a thorough knowledge of modern Store trading, also Photography and Window-dressing; this is an excellent permanent position for a man of real capacity able to organise and take control if necessary; interview arranged. Please give full particulars in first letter and enclose photo to 182/39, Office of this Paper.

SKIPTON.—Unqualified Assistant (ineligible), outdoors, for Retail and small Wholesale (to travel for). Please send photo and full particulars, salary required, and when disengaged, Illingworth, Chemist, Skipton, Yorks.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the 'waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETURNING PHOTOS, Etc.

Advertisers in this Section who receive portraits and copies of testimonials from applicants with a stamped addressed envelope for reply are reminded that the undue retention of these often means a hardship to the sender. All personal documents should be returned as promptly as possible after perusal.

SOUTH COAST.—Assistant wanted (outdoors), accustomed to high-class Dispensing and Counter trade; short hours (average 52 weekly); no Sunday duty. Address, stating age, salary required, and full particulars of experience, to "S. C.," Box 1252, Willing's, 125 Strand, W.C.

SOUTH OF ENGLAND.—Assistant required; experienced; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

STAFFORDSHIRE.—Young qualified Chemist to Manage Branch; quick Cash Business, with some Insurance Dispensing; no Sunday or night duty; letters from applicants must in the first instance contain particulars of experience, age, and salary required. 183/19, Office of this Paper.

TAUNTON.—Wanted, an Assistant in a good-class business; experienced; permanency. Gregory & Wrenn, Ltd., 15 East Street, Taunton.

YORKSHIRE (West Riding).—Qualified Manager required for progressive Cash business; must be about 45 years of age and be capable and energetic; permanency; interest in the profits offered. "Yorks" (182/110), Office of this Paper.

YORKSHIRE, N.E.—Qualified Locum (at once) for the period of the war, to release a principal for military service; Light Retail and Dispensing. State experience, reference, and photo, to 185/16, Office of this Paper.

A N Assistant, accustomed to quick Dispensing and high-class Counter trade, wanted by end of month; outdoors. Apply, T. E. Savage, Broadway, Crouch End, London, N.

A N experienced Assistant wanted; also a good Junior with knowledge of Dispensing. Apply, with full particulars as to age, references, experience, and salary required (in- or out-doors) in each instance, "Chemist," 82 Bayston Road, Stoke Newington, London, N.

A SSISTANT required (unqualified), with good experience in Dispensing, Counter work, Photography (not essential); permanency preferred. State age, experience, and salary required. T. W. Fields, Pharmaceutical Chemist, North Bar Street, Beverley.

C APABLE Managing Assistant, married or unmarried, to live on premises; knowledge of Optics preferred, but not essential; ineligible for Army. Applications not answered in three days are respectfully declined. Full particulars to Messrs. Chas. Lowe & Co., Ltd., Surbiton.

C APABLE Assistant required immediately for good-class West-End Dispensing business; qualification not essential, but married or ineligible preferred. Apply, Rees, 62 South Audrey Street, Grosvenor Square, W.

D ISPENSARY Porter.—Strong lad wanted; hours 8 a.m. to 5 p.m.; references. Apply to "Dispenser," St. George's Hospital, S.W.

D ISPENSER, National Insurance, able to attend Counter; lady or gentleman. Apply, 316 Commercial Road, E.

J UNIOR or Improver wanted for good-class Retail and Dispensing business. W. Pickard, 3 West Kensington Terrace, W.

L ADY Assistant for Chemist's business; 30s. per week; permanency; must be capable Dispenser. State age and when at liberty, 182/11, Office of this Paper.

L ADY Dispenser required (immediately); hours 8.30 to 7.30. State experience, and salary to G. T. W. Newsholme, Ltd., Chemists, 27 High Street, Sheffield.

M ALE Dispenser and Bookkeeper wanted; must be ineligible for military service; to live out. Photo and particulars as to salary, training, and experience, to Dr. Gregson, Lower Audley Street, Blackburn.

M ANAGER wanted for small Branch; suit unqualified (ineligible) or elderly qualified; outdoors. Apply, with usual particulars and salary expected, which must be moderate, 183/28, Office of this Paper.

M ESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

Q UALIFIED Chemist wanted at once for working-class neighbourhood; N. Insurance done. Apply, 32 Otley Road, Healdingley, Leeds.

Q UALIFIED Junior (lady or gentleman) for Pharmacy in South Coast health resort; easy hours; gentleman ineligible for military service preferred. Apply, giving full particulars, age, salary required (outdoors), etc., to "L." (183/18), Office of this Paper.

Q UALIFIED Assistant required; must be capable and energetic; no Sunday duty; half-day off Thursday; Relief man for Sunday (6-9.30) also required. Full particulars and terms to Edmunds & Co., Ltd., 33 High Street, Kingsland, London, N.E.

Q UALIFIED Chemist required for Dispensing duties; quick and accurate; ineligible for Army; permanency. State age, commencing salary required, and fullest particulars of experience, to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

U NQUALIFIED.—Wanted at once, man over military age or ineligible; good all-round; capable of taking charge; good references; or one willing to learn Counter trade could be entertained. Apply, A. C. Hancock, Ltd., 20 Chapel Street, Islington, N.

W ANTED, young lady with some experience in the Retail and Dispensing, for small Country business; short hours and light work; near a town. State full particulars and salary to "Tolu" (183/10), Office of this Paper.

W ANTED, an Assistant for the Retail Counter; outdoors. Apply, giving full particulars, to D. P. Roberts, Chemist, 120 North End, Croydon.

W ANTED, Chemist for Branch in West Hartlepool; would suit middle-aged man; house over shop. Apply, England, Starbeck Hall, Harrogate.

W ANTED, a Dispenser (Whole-time) in a Lancashire town; state age, experience, and terms, and when disengaged, and give reference. Apply, by letter only, to Dr. Utting, 5 Moor Park Avenue, Preston.

W ELL-EDUCATED youth, with some knowledge of the trade, requested in office of London Wholesale; commencing salary 25s. 185/380, Office of this Paper.

WHOLESALE.

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C LERK required, experienced in Shipping, by Wholesale Druggists, London, South; good salary to capable man. Write full particulars, stating age and salary required, to 105/42, Office of this Paper.

C LERK (ineligible for military service or over military age) required by Manufacturing Chemists; preference given to one familiar with Invoicing and Shipping. Reply, stating experience, salary, etc., to 105/49, Office of this Paper.

C OUNTERMAN required at once for Dry and Chemical Floors; good wages. Apply, "W. M. C.," Burgoyne, Burbidges & Co., East Ham.

G OOD salary and excellent prospects are offered to a really capable and experienced Perfumery Forewoman; must be a strict disciplinarian. "Violet" (104/39), Office of this Paper.

M INERAL Waters.—Wanted, by a firm of Chemists in the Midlands, a man who has had experience in the Mineral Water and Syphon trade and the Chemist's business generally. State wage, experience, etc., to "Midland" (184/6), Office of this Paper.

T ABLETS (Compressed).—Wanted, an Assistant used to Granulating and to management of machines. Apply, by letter, stating wages required and past experience, to Willows, Francis, Butler & Thompson, Ltd., 40 Aldersgate Street, E.C.

W ANTED at once, young man (ineligible) for office routine and conduct of correspondence; must be well educated and very accurate; knowledge of Drug trade or Medicine an advantage, but not essential. Apply, 105/52, Office of this Paper.

W ELL-EDUCATED youth with some knowledge of the trade required in office of London Wholesale; commencing salary 25s. 185/38, Office of this Paper.

APPRENTICESHIPS.

A YOUNG lady, wishing to qualify for the Minor examination, is desirous of arranging an Apprenticeship with a first-class Pharmacist in London or near neighbourhood. Application to be made to Geo. Curling, Wyman & Co., 56/9 Bunhill Row, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every
10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies
addressed to this Office, and forwarded on payment of an
additional charge of 6d.

[HOME.] RETAIL.

A SERGEANT-DISPENSER, late R.A.M.C., Malta Company;
14 years West End and Continent; fluent French. Burrell,
West Central Post Office.

AS Manager or Senior; qualified; experienced Dispenser and
modern Store trade; over military age. Apply, "M.,"
385 Durnsford Road, Wimbledon Park, S.W.

ASSISTANT; 25; tall; married; good experience; Yorkshire
preferred, not essential. 181/23, Office of this Paper.

ASSISTANT or Manager; abstainer; tall; 23; married; smart
appearance; good experience; February. 179/9, Office of
this Paper.

ASSISTANT (ineligible Army), married, desires permanent
post; Retail, Dental, Dispensing experience; disengaged
February 5. "Aspirin," Norfolk House, Shanklin, Isle of Wight.

ASSISTANT (lady) requires outdoor post; good Retail and
Dispensing experience; Hall qualification. 182/14, Office of
this Paper.

AS unqualified Assistant; 20½; ineligible. Hirst, School House,
Triangle, near Halifax.

BRANCH Manager; thoroughly capable Dispenser, Prescriber,
and Counterman; highest references; well up; London pre-
ferred; unqualified. "C. F.," 814 Seven Sisters Road, N.

DISPENSER, quick worker, disengaged two to five, except
Sundays; low salary. 185/35, Office of this Paper.

ELDERLY, unregistered, active and willing, good Counterman
and Prescriber, excellent references, requires Part-time work
in Brighton or district; or would Manage small business in
country. Woodward, 52 Springfield Road, Brighton.

EVENING Dispensing; two or three evenings per week; West
London preferred. "Student," 23 St. Albans Avenue, Bed-
ford Park, W.

EVENINGS, five or six weekly; Dispensing, Stock; experienced;
unqualified; 6 years present situation; Dalston or Stamford
Hill preferred. 184/10, Office of this Paper.

EXPERIENCED Assistant requires Evening employment;
Counter, Dispensing; disengaged 6.30: London W. preferred;
undeniable references; capable taking entire charge. 185/21,
Office of this Paper.

GENTLEMAN (26), ineligible, varied and extensive experience.
Retail, Hospital, Accountancy, and Travelling, tactful and
well educated, desires to hear of suitable position; Road pre-
ferred. Please apply, with full particulars, to 180/21, Office of
this Paper.

IMPROVER; three years' experience in colliery district. Carter,
Royal Oak, Whitwell, Mansfield.

LANCASHIRE preferred; February; tall, smart; good Salesman,
Dispenser, Window-dresser; unqualified; 23; married; Assis-
tant or Manager. Linsley, 34 King George's Avenue, Foleshill.

LADY Dispenser (clergyman's widow), Hall qualification, desires
post; London or Manchester area preferred; Locum or
permanency. Mrs. Calvert, 10 Terrace Road, Buxton.

LADY Dispenser (Hall qualification) desires post with Doctor or
Chemist. Lewis, 38 Orlando Road, Clapham, S.W.

LADY Dispenser desires post; ten years' experience of Surgery
and Institution Dispensing. 183/38, Office of this Paper.

LADY Dispenser, qualified, experienced, desires re-engagement;
London or near; good testimonials. 185/40, Office of this
Paper.

LIVERPOOL District.—Unqualified; 28; tall; excellent experi-
ence, Dispensing, Photo, Counter; married. Shaw, 225
Conway Street, Birkenhead.

LOCUM; disengaged; good experience; satisfactory references;
qualified. 38 West Brampton, Newcastle, Staffs.

LOCUM or Manager in country district; qualified; age 50;
excellent references; 35 years' first-class experience; ener-
getic. Dewey, 3 Helena Avenue, Margate.

MANAGER; 42; married; competent, experienced; good Sales-
man; unregistered; state salary given; 4 years present berth.
"X.," 53 Cannock Road, Park Village, Wolverhampton.

MANAGER wants situation; up-to-date trading; experienced
Buyer; used to controlling staff; Major qualification. Write,
"Chemist," 116 Spring Street, Bury, Lancashire.

MANAGER (qualified), or trustworthy position; experienced;
reliable; abstainer. Wendon, 3 North Road, Highgate, N.

MIDDLE-AGE; qualified; active and reliable; large and varied
experience; first-class reference; as Manager, etc. Full
details and terms to "Veritas" (183/7), Office of this Paper.

PART-TIME.—Assistant in West-End Store wants work after
6.30, Monday to Friday inclusive, Saturday after 1, and
Sunday duty; all-round first-class experience. "Adjutor," Clifford
Hotel, Brunswick Square, W.C.

PERMANENCY; unqualified; 34; married; capable; ineligible;
18 years' good all-round experience; Eastern Counties pre-
ferred. Kindly state hours, 183/31, Office of this Paper.

PHARMACIST, qualified (59), active, as Manager or Senior in
good-class business; moderate hours; in or near London; good
references; or with view to succession. 182/23, Office of this
Paper.

PHARMACIST; qualified; 25; rejected; 10 years' Retail and
Dispensing experience; disengaged January 22; London only.
Stephens, 41 The Grove, Camberwell, S.E.

PHARMACIST, elderly, married, would give half time or hours
as arranged for permanency; excellent references; at liberty;
Midland or Southern Counties preferred. Particulars "C. S.,"
57 Moorland Road, Weston-super-Mare.

QUALIFIED Pharmacist (31), married, desires position about
March 1 as Manager or Senior; wide experience in both
capacities; good-class business preferred; exceptional references.
Arthurs, 3 Mount Pleasant Road, Ealing, London.

QUALIFIED; 36; good all-round experience; disengaged.
179/12, Office of this Paper.

QUALIFIED; 26; good experience; Manchester or district.
"D.," Northern College of Pharmacy, Manchester.

QUALIFIED (37), single, below recruiting height but strong,
requires permanency as Branch Manager; single-handed;
all-round experience and good references; disengaged about
February 14. Reeks, 138 Milton Road, Gravesend.

QUALIFIED; 37; married; tall; Store experience; Counter or
Dispensing. "K. F.," 8 Rowfant Road, Balham.

QUALIFIED; 42; salary or mutual arrangement; disengaged;
single. Barker, Chemist, Woodbrook, Oldham.

QUALIFIED; Manager or Senior Assistant; good all-round man-
age. Apply, 183/17, Office of this Paper.

QUALIFIED Manager; 31; abstainer; tall; good references.
"Calox" (183/23), Office of this Paper.

RELIABLE Assistant Dispenser; age 30; used to taking charge;
thorough West-End and provincial experience; S.W. of Eng-
land preferred. 105/28, Office of this Paper.

SITUATION required; experienced; temporary or permanent.
"Qualified," 4 Crawford Buildings, Homer Street, Mary-
lebone, W.

UNQUALIFIED; 49; experienced; competent; good address;
could take Management under Proprietor; permanent berth
wanted; London or suburbs. 181/34, Office of this Paper.

UNQUALIFIED; experienced Dispenser, Counterman, and Photo-
graphy; 36; disengaged. "G.," 3 Egerton Road, Bexhill-on-
Sea.

UNQUALIFIED; 27; married; good references; rejected for
Army; used to quick Store trade; London preferred; salary
45s. Smith, 8 Vaughan Road, Camberwell, S.E.

UNQUALIFIED Assistant (25), recently returned from America,
seeks situation; away from trade three years; references.
F. H. Blunt, 94a George Street, Bedford.

UNQUALIFIED; smart Counterman; within daily reach Wolver-
hampton. 183/32, Office of this Paper.

UNQUALIFIED; 35; single; abstainer; experienced Dispenser; able to take charge; Locum or permanency; North preferred. State salary (indoors or outdoors), "Capable" (185/17), Office of this Paper.

41. Tyneside district; change desired, with prospects; best Cash Retail, organising, and business-making experience. "Kudos" (182/16), Office of this Paper.

WHOLESALE.

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ADVERTISER, with about 20 years' Home and Colonial Retail experience, desires responsible position in Wholesale house; single; abstainer. State salary, "Export" (185/170), Office of this Paper.

BELGIAN Pharmacist, having knowledge of English Dispensing, desires situation in Pharmacy or Wholesale house; good references. Address, R. Stevens, 40 Blandford Street, near Baker Street, London, W.

PHARMACEUTICAL and Toilet Preparations, Chemicals, and General Laboratory.—Thoroughly practical man (27), ineligible, unqualified, 10 years' experience, desires permanency; London preferred. 182/24, Office of this Paper.

REPRESENTATIVE for London and district; experienced, energetic, and businesslike; disengaged. 181/13, Office of this Paper.

REPRESENTATIVE, 10 years' experience interviewing Medical Men and Chemists, capable scientific demonstrator, would accept good Agency; Liverpool and Manchester district; highest references. 182/13, Office of this Paper.

REPRESENTATIVE; London and 50 miles radius; exceptionally well known to the trade; 12 years' real selling experience on this ground; specialities, Sundries, Perfumery, and Drugs; good record; first-class references; shortly disengaged. Apply, 185/37, Office of this Paper.

REPRESENTATIVE, Wales; unqualified; 32; 16 years' Retail experience; thorough knowledge of ground; Welsh-speaking; disengaged March 9. "Aurora" (185/50), Office of this Paper.

TRAVELLER, now disengaged, desires appointment; seven years' connection West of England; also worked Midlands and North; qualified Chemist; excellent experience; good Salesman. 183/3, Office of this Paper.

TRAVELLER; seven years' personal connection; Birmingham district. 183/320, Office of this Paper.

WEST OF ENGLAND.—Gentleman covering this ground desires additional Agency for well-known house; part expenses and commission; references; guarantee. Address, "Bristolian" (182/35), Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone, 81 Lee Green. Shares for Sale (free of commission, subject).—200 Claudius Ash 51 per cent. Preference, 18s. 9d.; 140 Camwal Preference, 7s.; 50 Ordinary, bid wanted; 100 Evans Lescher £1 Preference, 3s. 7½d.; 95 J. C. Field Ordinary, 4s. 9d.; 110 International Sponge Ordinary, 5s. 7½d.

Wanted (subject).—200 Lewis & Burrows Preference, 11s. 6d.; 100 Allenbury Preference. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

CHEMIST'S good second-hand 12-ft. Mahogany Drug Fitting, 6-ft. Mahogany Dispensing Screen and Counter, 4-ft. Mahogany Wall-case; 10-ft. Glass-fronted Counter; Nest of Counter Drawers; Perfumery Case and Desk; 4-ft. Bent Glass Counter Case; the lot 45; bargain; cheapest house for Window Enclosures, Mirrors, Glass Shelves, modern Shop Fronts, Improvements, etc.; plans prepared; estimates free. Mills, Shopfront, Shopfitting, and Glass Lacia Works, 163-165 Old Street, London, E.C. Phone London Vail 550.

SECOND-HAND Chemists' Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

FEW cwt. Acid. Carbolic, 40%, det. cryst., in 1-lb. bottles; about ½ cwt. Zinc Dust. 105/53, Office of this Paper.

WANTED

ALL MEN AND WOMEN engaged in Drug and Sundries trade—any capacity—to join their trade organisation, National Amalgamated Union of Shop Assistants, Warehousemen, and Clerks, **CHEMISTS' AND DRUGGISTS' SECTION.**

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86 Park Road, West Dulwich, S.E.
(Organising Secretary).

SHOPFITTINGS (SECOND-HAND).—12-ft. Mahogany and Plate-glass Serving Counter, £9 10s.; Mahogany and Plate-glass Perfumery Showcase and Desk, Mirror back and Plate-glass shelves, 58s.; 8-ft. Mahogany and Bent Plate-glass Counter-case, with Display and Serving Shelves, £6 17s. 6d.; 10-ft. handsome Piano Wall Showcase, great bargain, £21; quantities of other cheap lines. **PHILIP JOSEPHS & SONS, LTD.,** 93 Old Street, London, E.C.

BEST cash price paid for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. **S. E. Hackett,** 23 July Road, Liverpool, E.

CHEMISTS' Fittings.—Silent Salesman, Glass Showcases of every description, Drugfittings, Dispensing-screens, Wall-cases, Glass-front Counters, Perfume-cases, Desks, Counter Drawers, Shelves, Mirrors, shop-soiled, second-hand, at lowest prices; don't decide till you get my estimate; you can't get better value; 30 years fitting Pharmacies. **GEORGE COOK, The Chemists' Working Shopfitter,** Catherine Street, City Road, London, E.C.

M⁰QUEEN'S A.B.C. System of Accounts; works out profit and loss account, balance sheet, etc., with guaranteed certainty; gives exactly what Surveyors of Taxes want, and is a remedy for over-assessment; practically automatic Bookkeeping; 12th edition. Particulars and testimonials free. **McQueen & Co.,** Moat Road East, Leicester.

CHEMIST'S SHOPFITTINGS (SECOND-HAND).—Ranges of Drug Drawers, Shelving, Dispensing Screens, Counters, Perfumery Desks, Showcases, Silent Salesman Cases, 4 complete gross sets of Shop-rounds, Wall Cases, etc., etc. **D. Matthews & Son,** 14 and 16 Manchester Street, Liverpool.

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DISPENSING BOTTLES & PHIALS.

CLEAR BLUE TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.

Plain or graduated.

BEST QUININE, TINTED.—3 and 4 oz., 6 and 8 oz., 12 oz., 16 oz.

Plain or graduated.

WHITE PHIALS.—¼ oz., 1 oz., 1½ oz., 2 oz. Plain or teaspoons.

BLUE LOTION BOTTLES.—¼ oz., 1 oz., 1½ oz., 2 oz., 3 oz., 4 oz.

6 oz., 8 oz., 12 oz.

PANEL BOTTLES.

We send six gross assort. or otherwise, carriage paid within seven miles, and to certain stations. Particulars on application.

CORKS.

Good quality. No advance in price: 6 and 8 oz. bottles, 9d. per gross in 6 gross bags. Vials 6d. per gross in 3 gross bags.

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106 MIDLAND ROAD, ST. PANCRAS, LONDON, N.W.

or **ISLINGTON BOTTLE COMPANY,** 7 New Inn Yard, Tottenham Court Road, London, W.

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Wholesale Prices on Application

WAR WANTS EXCHANGE.

The object of this section is to facilitate the interchange of pharmaceutical products which are scarce at present owing to the War, and which the inquirers have failed to obtain through the customary business channels.

TERMS

Minimum charge (including registration fee) of 1/- for six words or less; 2d. per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "THE CHEMIST, AND DRUGGIST."

WANTED.

Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

THE WAR WANTS EXCHANGE.

"The Chemist and Druggist," 42 Cannon Street, London, E.C.

Amidol (185/28)	Paraphenylenediamine, pure
Aniline oil (Echappe), few	and commercial (181/35)
gallons (183/35)	Phenazone (181/15)
Carbon balls (181/15)	Pot. bromid. (181/15)
Hydroquinone (185/28)	Quinine (181/15)
Metol (Hauff.) (185/28)	Salicylic acid (181/15)

FOR DISPOSAL.

Bona-fide buyers of the following articles are requested to communicate their exact requirements promptly to us, and we shall place them in touch with sellers:—

Acetanilide, 3 lb. (179/13)	Phenazonum (182/38)
Acid. acetic. glacial, 40 lb. (179/13)	Pyrocatechin (Merck), 1 oz. (183/26)
Antipyrine, 4 oz. (183/26)	Quinine sulph. (B.D.H.), 32-oz. tin (185/23)
Aspirin tablets (few hundred) (179/14)	Resorcin (182/38)
Butyl-chloral, 12 oz. (179/13)	Resorein (pulv.), 4 lb., what offers, whole or part? (182/19)
Codeinæ pur., dram (183/26)	Salol (182/38)
Diamidophenol, 1 lb. (185/23)	Sodii salicylas phys. pure, 8 1-lb. original packets (185/23)
Edinol (Bayer), 1 oz. (183/26)	Strontium bromid., 1 lb. (179/13)
Exalgine (Brigonnnet), 1 oz. (183/26)	Sulphonal, 4 oz. (179/13 and 182/38)
Formalin (Schering), 1½ lb. (183/26)	Sulphonal (Bayer), 2 oz. (183/26)
Guaiacol carb. (Evans), 4-oz. bottle (185/23)	Thymol cryst., 3 lb. (179/14)
Hydroquinone (182/38)	Urotropine (Schering), 1 oz. (183/26)
Metol (182/38)	
Oil of mirbane, 8 gallons (179/18)	
Paraldehyde, 2 lb. (179/13)	
Phenacetin, 1 lb. (179/13)	

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

2½ lb. pot. bromide B.P. cryst., English; what offers? 185/26. Office of this Paper.

1-2 lb. ammon. brom. for caff. citras., acetanilid. A. R. Briggs, 28 High Street, Horbury, Yorks.

WHAT offers? atrop. sulph., gr. 22; morph. hydrochlor., ½ oz.; sulphonal, 2 oz.; saccharine, 1½ oz. Camm, New Buckenham, Norfolk.

1,000 tablets aspirin, gr. v. (Cox), 37s. 6d.; 4 1-oz. antipyrine, 5s. oz., or exchange for metol or substitute. Stead, Duke Street, Brighton.

12 oz. hyd. sulph.-c.-sulph., 5 oz. sodii sulphocarbolas, 48 1s. 1½d. Wait and See pills, 3 Mersel's food, 1 Fair. pept. milk food, 2 Cuticura solvent, 3 4s. Carnick's liq. pepts., 2 1s. 3d. Laxol, 2 4s. Vibrona, 1 2s. 6d. Hay's hair health, 72 1s. Sovereign remedies, 6 Capper's vocules, 6 Amami skin food, 2 Anchor balloon syringes (2 Cuticura, 2 Lawrances, 2 Scott's, 6 Lascelles' 1s. 1½d. pills), 2 1s. 1½d. Eesolent compound. Clegg, Schofield & Co., Ltd., 16 Market Place, Heywood, Lancs.

SHOP FITTINGS.

DECIMAL weights and scales (Becker's); excellent condition; offered wanted. 147 Fellows Road, Hampstead.

MISCELLANEOUS.

POCKET canteens; overstock; any price to clear. Evans, Margate. OL. lavand. extol., ½ lb., offers; drugs, fixtures, etc. "Chemist," Farley, Oakamoor, Staffs.

THREE 5-grain one 4-grain pill machines; 14 lb. pot. tart.; 6 1-lb. tins sugar of milk; offers wanted. Wills, Chemist, Merthyr Tydfil.

ASH'S "G" vulcaniser, gauge and syphon perfect; new last year; cost 83s.; accept £3 3s.; dental chair, hospital pattern, not upholstered, £2. Cullen, Chemist, Norwich.

WANTED.

WANTED, second-hand dental chair, cheap. Dyer, 4 New Street, Sandwich.

ANUSOL suppositories (Goedecke), one or two, 3s. 6d. John Fawcett, New Ferry, Cheshire.

WANTED, morrhinol, in small or large quantities; prompt cash. 103/29, Office of this Paper.

WANTED, outside plate-glass showcase, about 4 ft. high, 19 in. wide; also modern fire-proof safe. Stonclake, Chemist, Guernsey.

TIN boxes, decorated or plain, for ointments, tooth-powders, etc., wanted; any quantities for cash. Levers, Chemists, 56-58 Chapel Street, Manchester.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

SWAN-NECKED carboy, state size and price; check till, maker and price; dental chair, gas apparatus complete. Full particulars to Lyle, Chemist, Ladywell, S.E.

SURPLUS stock chemicals, drugs (original unopened packages only), packed goods, soaps, perfumes, sundries. Lists, with prices, to Delmas & Co., Burlington House, Hincley Road, Nuneaton.

Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Sunday, January 23.

Pharmacist Volunteer Training Corps, Millbank School, Erasmus Road, Westminster, at 10 A.M. Drill and first aid.

Tuesday, January 25.

West Bromwich Pharmaceutical Association, at Mr. Beattie's, at 9 P.M. Annual meeting.

Ealing Pharmacists' Association, Chamber of Commerce, High Street, at 9.15 P.M. Mr. Arthur H. Jenkins on "Pharmacy and Trade Organisation."

Wednesday, January 26.

Royal Society of Arts, John Street, Adelphi, London, W.C., at 4.30 P.M. Mr. J. Arthur Hutton on "The Effect of the War on Cotton-growing in the British Empire."

Public Pharmacists' and Dispensers' Association, St. Bride Institute, Ludgate Circus, London, E.C., at 7.45 P.M. Annual general meeting.

Birmingham Pharmaceutical Association, Grand Hotel, at 8.45 P.M. Mr. Harold Baker, lantern-lecture on "The Avon from Pershore to Tewkesbury."

Pharmacist Volunteer Training Corps, 17 Bloomsbury Square, London, W.C., at 3.15. Lectures on Sanitation, etc. These will be repeated on Thursday.

Thursday, January 27.

Bath Pharmaceutical Association, Church Institute, at 8 P.M. Mr. P. F. Rowsell on "The Proprietary Articles Trade Association."

Cardiff Pharmacists' Association, Angel Hotel, at 8.45 P.M. Annual report and presidential address.

Friday, January 28.

Royal Institution of Great Britain, Albemarle Street, Piccadilly, London, W., at 5.30 P.M. Dr. Leonard Hill on "The Science of Clothing and the Prevention of Trench-feet."

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